Welcome

Thank you for purchasing a Sony VAIO® computer! Your new computer is a superb blend of high technology and easy-to-use functionality. The information provided here is designed to help you to become familiar with the hardware and software programs included with your system.

- View the Electronic Flyer, which provides updates and supplemental information about your computer.
- Go to the Sony Online Support Web site, to view the VAIO® Computer Specifications, which lists your computer's hardware specifications and preinstalled software information.
- For information about the Sony software preinstalled on your computer, click **Start** in the Windows® taskbar, and then click **Welcome to VAIO life**.

Getting Started

Congratulations on your purchase of the Sony VAIO® computer! Your new, high-performance, multimedia computer combines state-of-the-art computer functionality with the latest audio, video and information technology features.

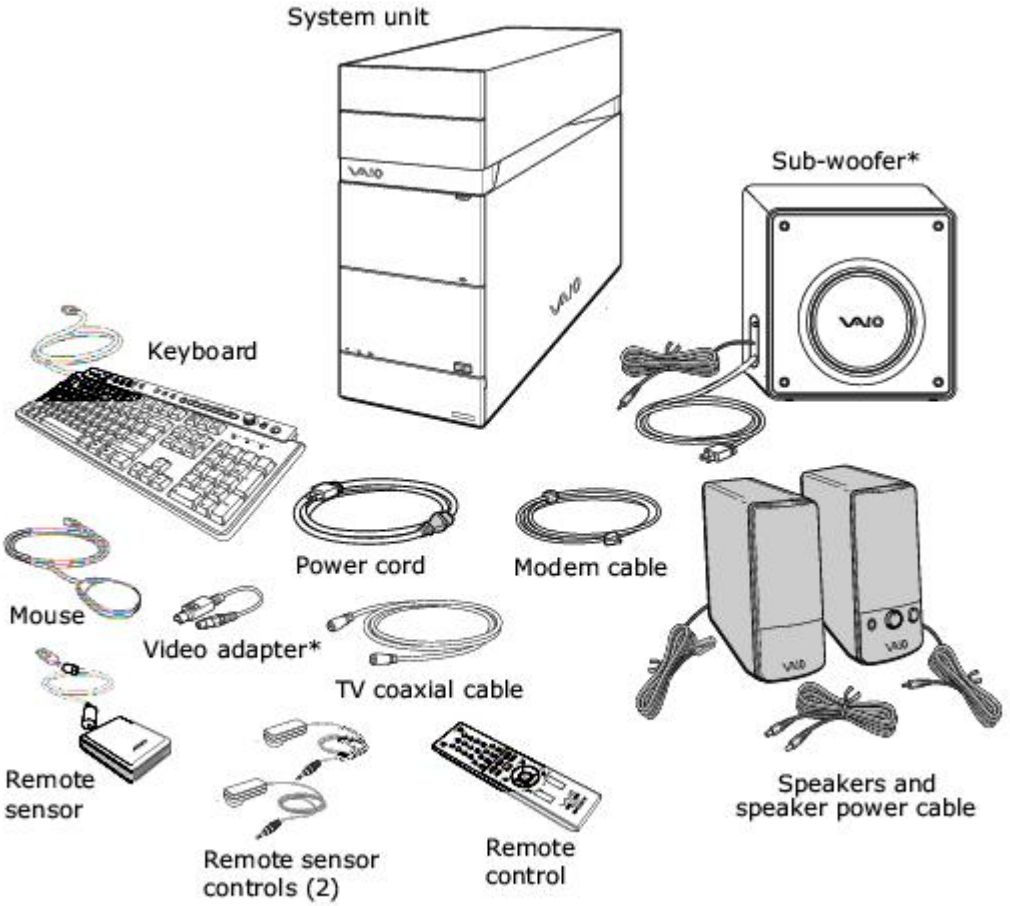
- Unpacking your Computer
- Planning an Ergonomic Work Space

Unpacking your Computer

Your computer may not be supplied with all of the accessories shown, depending on the computer configuration purchased. For details on the accessories supplied with your computer, see the online *Specifications* sheet.

Your VAIO® computer is not supplied with System or Application Recovery CDs. Use the VAIO Recovery Wizard utility to recover your computer's operating system and preinstalled software.

Computer and supplied accessories



*The accessory is available with certain computer models. See your computer's specifications sheet for details about supplied accessories.

Manuals

- **VAIO® Computer Quick Start** — Provides basic information on setting up and registering your computer. The Quick Start also provides resources for technical support, safety guidelines and owner information.

Online Documentation

- ***VAIO® Computer User Guide*** — Contains features and specifications of your computer. It also includes information on the Microsoft® Windows® XP Media Center Edition operating system, the software programs included with your system, and solving common problems.

  To access the online User Guide:

  1. Click **Start** in the Windows taskbar, then click **Help and Support**.
  2. From the **VAIO Help and Support Center** menu, click **VAIO User Guide**.

- ***Specifications*** — This online specifications sheet describes the hardware and software configuration of your VAIO computer. Go to the Sony Online Support Web site at *http://www.sony.com/pcsupport* to view the specifications sheet.

- ***VAIO Software*** — Provides specific information on certain preinstalled software on your computer.

  To access this online software information:

  1. Click **Start** in the Windows® taskbar.

2. Click **Welcome to VAIO life**.

Hard Disk Drive Recovery

Your computer is equipped with the VAIO Recovery Wizard utility program that recovers your computer's operating system and preinstalled software. For more information about hard disk drive recovery:

1. Click **Start** in the Windows® taskbar, then click **Help and Support**.
2. From the **VAIO Help And Support Center**, click **VAIO Recovery Options**.

Other

A software library, containing the Microsoft® software and Sony® end-user license agreements.

Planning an Ergonomic Work Space

Before you set up your new computer, find the best location for your new computer and plan your work space. There are several ergonomic factors to consider when you arrange your work space:

- **Stable work surface —** Use a stable work surface large enough to support the computer and other peripheral equipment.

- **Ventilation —** Leave at least eight inches of space on the left and back sides of your computer to enable proper ventilation.

- **Placement of the keyboard, mouse, and other input devices —** Place your keyboard, mouse, and other input devices so that your arms and hands are in a relaxed, comfortable position. The keyboard should be directly in front of you. Adjust the level of the keyboard so that your lower arms are parallel to the floor. Keep your wrists in a relaxed position when you are using the keyboard — not angled up or down. Use the palmrest briefly, for resting. While typing, never use the palmrest or rest your hands on the table. Position the mouse at the same level as the keyboard. Hold the mouse with a relaxed hand, and use your whole arm to move it. Take breaks during sessions with your computer. Excessive use of the mouse or a joystick may strain muscles or tendons.

- **Furniture and posture —** Sit in a chair with good back support and armrests. Adjust the level of the chair so your feet are flat on the floor. A footrest may make you more comfortable. Sit with relaxed, upright posture — avoid slouching forward or leaning far backward.

- **Viewing angle of the display —** Position the display 18 to 26 inches directly in front of you, with the top of the screen at, or a little below, eye level. Use the display's tilting feature to find the best position. You can reduce eye strain and muscle fatigue by placing the display in the proper position.

- **Lighting —** Choose a location where windows and lights do not create glare and reflection on the display. Use indirect lighting to avoid bright spots on the display. You can also purchase accessories for your display that help reduce glare. Proper lighting adds to your comfort and work effectiveness.

Locating Controls And Ports

This section is intended to familiarize you with the controls, ports and jacks on your computer and supplied accessories. Your computer may not be equipped with all of these hardware features or accessories. The location of the controls, ports, and jacks may vary from the illustrations shown in this section. To view the specific connection capabilities for your system, see the online *Specifications* sheet.

- About the Front Panel
- About the Back Panel
- About the Sub-woofer
- About the Keyboard
- About the Remote Control

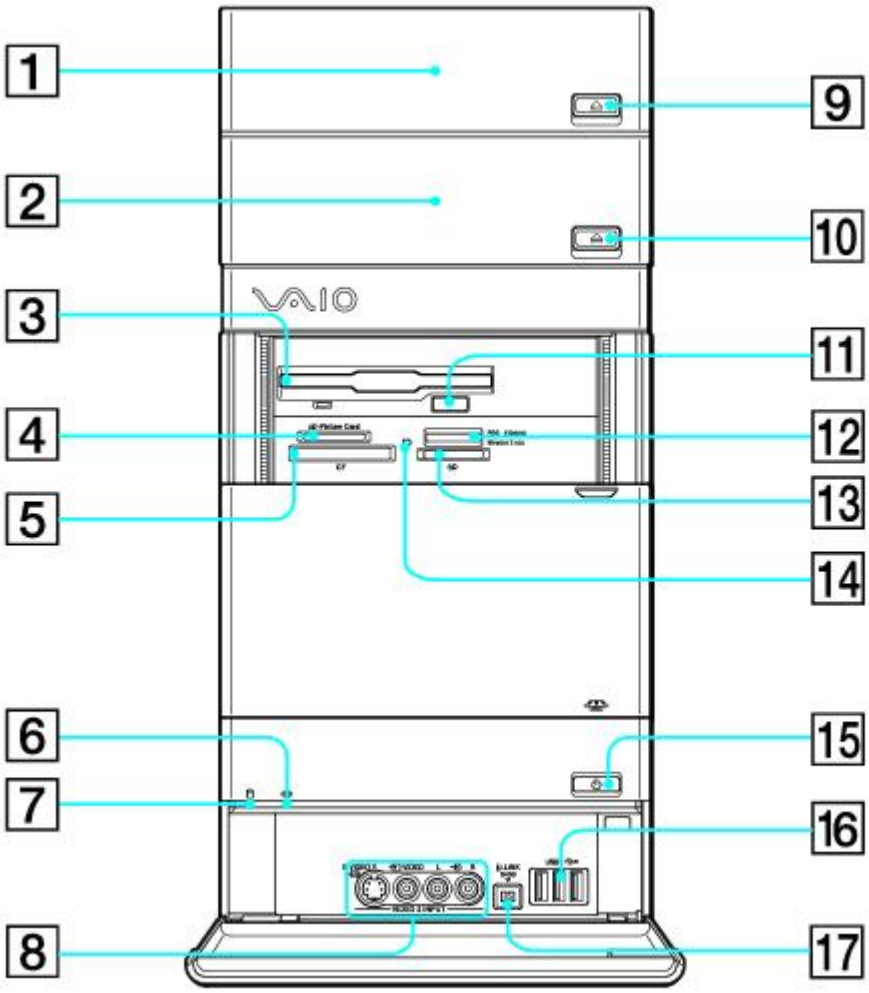
About the Front Panel

The front panel of your VAIO® Computer enables access to drives, media slots, ports and jacks that enable you to connect compatible peripheral devices.

Front panel

Your computer may not be equipped with all of these hardware features or accessories. The location of the controls, ports, and jacks may vary from the illustrations shown in this section.

Front panel



1 Optical drive 1

See the online *Specifications* sheet for optical drive information.

2 Optical drive 2

See the online *Specifications* sheet for optical drive information.

3 Floppy disk drive

Reads and writes data from and to a 3.5-inch floppy disk.

4 xD-Picture Card media slot

Reads and writes data from and to xD-Picture Card media.

5 CompactFlash® and Microdrive media slot

Reads and writes data from and to CompactFlash and Microdrive media.

6 Optical drive access indicator

Light is amber while reading and writing data from and to the optical drives.

7 Hard disk drive access indicator

Light is amber while reading and writing data from and to the hard disk.

8 S-video In jack

Connection for an S-video cable (optional).

Composite video In jack

Connection for a video cable (optional).

Composite audio L In jack

Connection for an audio cable (optional).

Composite audio R In jack

Connection for an audio cable (optional).

9 Optical drive 1 eject button

Ejects a disc from Optical drive 1.

10 Optical drive 2 eject button

Ejects a disc from Optical drive 2.

11 Floppy disk eject button

Ejects a floppy disk from the floppy disk drive.

12 Memory Stick® media slot

Reads and writes data from and to Memory Stick®, Memory Stick Pro , and Memory Stick Duo media.

13 Secure Digital (SD)/MultiMediaCard (MMC) slot

Reads and writes data from and to a Secure Digital (SD) or MultiMediaCard (MMC).

14 Media access indicator[1]

Light is amber when reading or writing data.

15 Power button and power indicator

Press the button to turn the computer on and off. The power indicator light is green when the computer is on, and is amber when the computer is in Stand by mode. The power indicator is off when the computer is turned off.

16 i.LINK (4-pin) S400 port (IEEE 1394)

Connection for a compatible digital device.

17 Universal Serial Bus (USB 2.0) ports (3)

Connections for compatible high/full/low-speed USB devices.

[1] The media access indicator lights when reading or writing data with the Secure Digital (SD), Memory Stick®, xD-Picture Card , or CompactFlash® /Microdrive slots.

i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connection. The i.LINK connection may vary, depending on the software programs, operating system, and compatible i.LINK devices. All products with an i.LINK connection may not communicate with each other.

Refer to the documentation that came with your compatible i.LINK device for information on operating conditions and proper connection. Before connecting compatible i.LINK devices to your system, such as an optical or hard disk drive, confirm their operating system compatibility and required operating conditions.

To open and close the optical disc drive doors

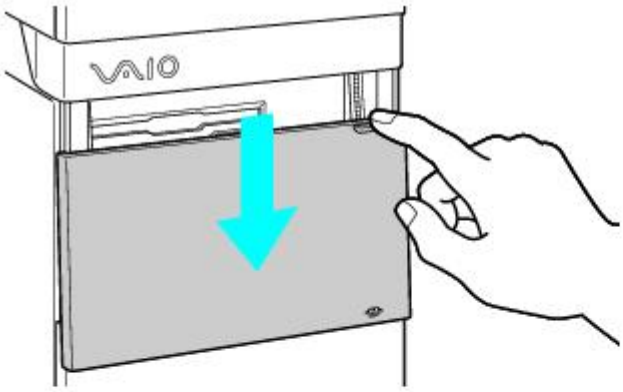
Your computer is equipped with one or more optical disc drives that have a drive eject button located on the drive door.

- After pressing the eject button, wait for the drive to stop reading the CD. It may take a few moments for the drive tray to eject.
- Gently push the drive tray in, when closing the optical drive door. Do not force the door or handle roughly.
- After closing the drive door, wait a few moments for the drive to begin reading the CD.

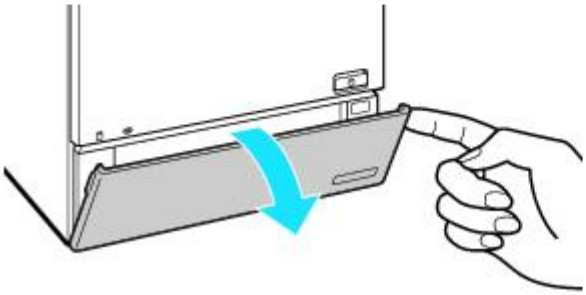
To open the upper and lower front panel covers

The front of your computer is equipped with panels that cover drives, media card slots, jacks and ports. Do not force the panel covers or handle roughly.

Opening the front panel covers



Slide the upper front panel cover down, using your fingertip.



Flip the lower front panel cover down, using your fingertip.

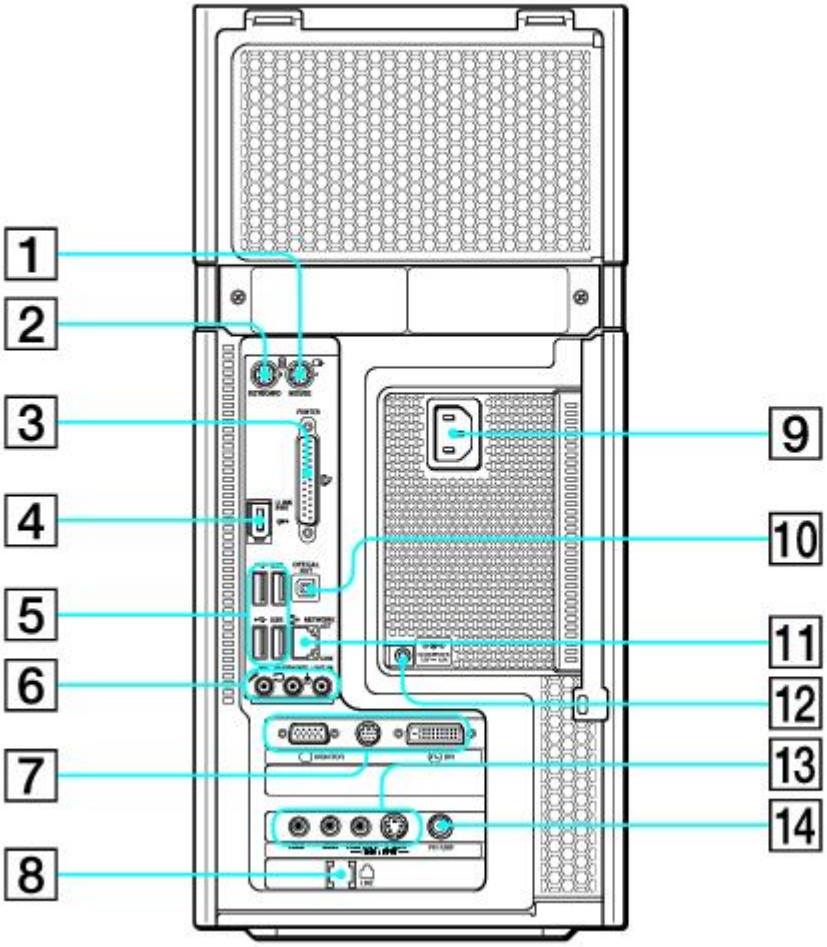
About the Back Panel

The back panel of your computer contains the ports for supplied and optional accessories. The icons on the back panel locate and identify the ports on your computer.

Back panel

The location of certain ports and jacks may vary from the illustration, based on the computer model purchased.

Back panel



1 Mouse port

Connection for a PS/2® mouse.

2 Keyboard port

Connection for a PS/2 keyboard.

3 Printer port

Connection for a parallel device, such as a printer or scanner.

4 i.LINK 6-pin S400 port (IEEE 1394)

Connection and power for a compatible digital device, such as a Sony Digital Handycam® camcorder.

5 Universal Serial Bus (USB 2.0) ports (4)

Connections for compatible high/full/low-speed USB devices.

6 Microphone jack

Connection for a microphone (optional).

Headphones jack

Connection for the supplied speakers or headphones (optional).

Line In jack

Connection for an audio device.

7 Monitor port

Connection for standard (VGA) monitor.

TV Out (S-video/video) jack

Connection for an S-video cable.

DVI monitor port

Connection for a DVI monitor.

8 Modem line jack[1]

Connection for the modem (supplied) cable to the wall jack.

9 AC Input port

Connection for the supplied power cord.

10 S/PDIF Optical Out port

Connection for a digital audio or optical device.

11 Ethernet port

Connection for a 10BASE-T/100BASE-TX/1000BASE-TX[2] Ethernet.

(The port marked with (Network) is for LAN connections only.)

12 Speaker DC Out jack

Connection for the speaker power cable (supplied).

13 Composite audio R In jack

Connection for an audio cable (optional).

Composite audio L In jack

Connection for an audio cable (optional).

Composite video In jack

Connection for a video cable (optional).

S-video In jack

Connection for an S-video cable (optional).

14 VHF/UHF port

Connection for a TV coaxial cable (supplied).

[1] An optional "1-to-2" jack adapter device (splitter) is required to connect both a telephone and modem line to your computer.

[2] 1000BASE-TX Ethernet capability is available on certain computer models. See your computer's specifications sheet for details on its hardware configuration.

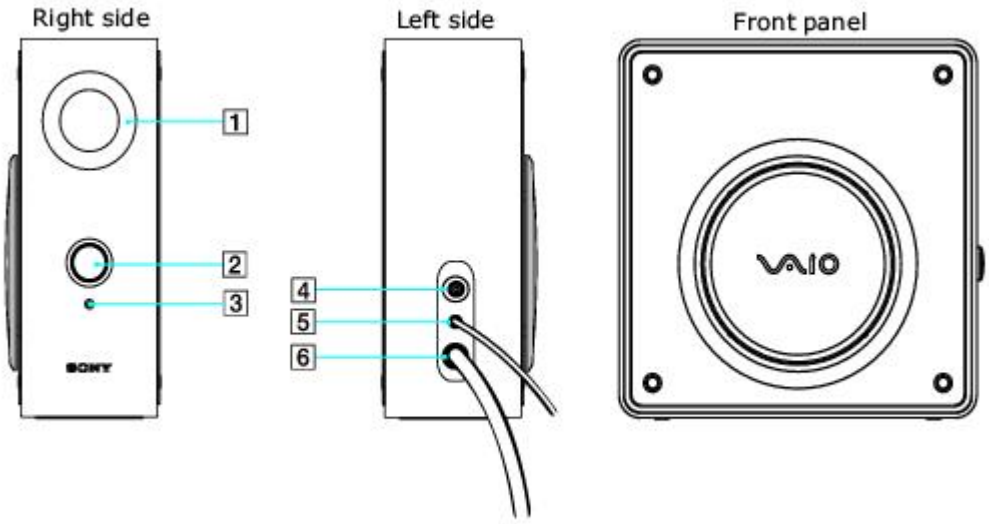
About the Sub-woofer

Certain VAIO® computers are supplied with a sub-woofer unit to enhance your system's sound capability. See your computer's online specifications sheet for information about supplied accessories. Go to the Sony Online Support Web site at http://www.sony.com/pcsupport.

Sub-woofer unit

The sub-woofer is compatible with the speakers supplied with your VAIO computer. See the section, Connecting the Speakers and Sub-woofer Unit for connecting instructions.

Sub-woofer unit



1 Port

The port extends the low frequency response to extend the volume output of the sub-woofer unit.

2 Power knob/volume control

Rotate the knob clockwise to turn on the sub-woofer unit. Control the volume by rotating the knob until the desired volume is reached. Rotate the knob counter-clockwise to turn off the sub-woofer unit.

3 Power indicator

Light is green while the power is on.

4 Speaker jack

Connection for the speaker cable.

5 Sub-woofer unit cable

Connects the sub-woofer unit to the computer's Headphones jack.

6 AC power cord

Connects the sub-woofer unit to a grounded AC wall outlet or power strip.

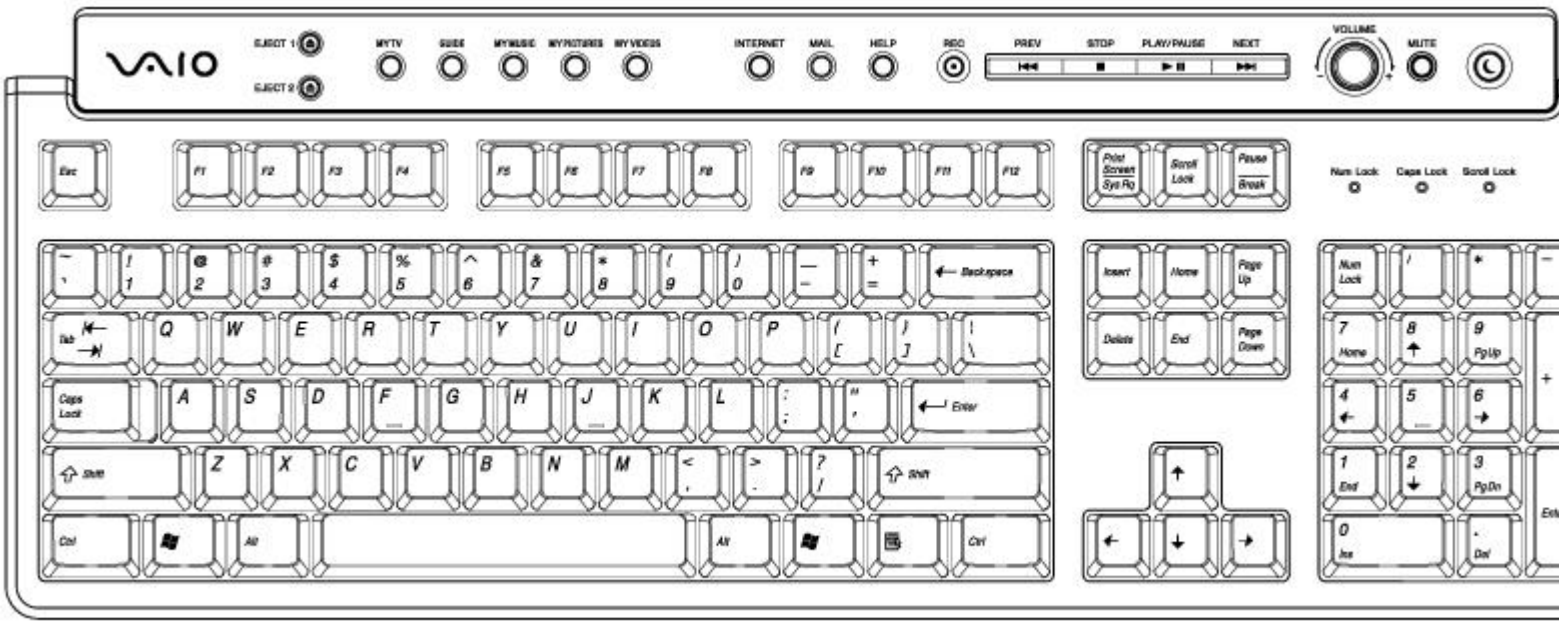
About the Keyboard

This section describes the special and standard functions available for your keyboard.

VAIO keyboard with Media Center features

The VAIO® keyboard supplied with your computer has a standard key arrangement with additional keys and controls that support Microsoft® Windows® XP Media Center Edition features.

VAIO keyboard



BUTTON	DESCRIPTION
EJECT 1	Opens the optical drive 1 tray.
EJECT 2	Opens the optical drive 2 tray.
MY TV	Opens the **My TV** window of Windows® Media Center.
GUIDE	Opens the **TV program guide** of Media Center.
MY MUSIC	Opens the **My Music** window of Media Center.
MY PICTURES	Opens the **My Pictures** window of Media Center.
MY VIDEOS	Opens the **My Videos** window of Media Center.
INTERNET	Starts the Internet browser.
MAIL	Starts the e-mail software program.
HELP	Starts the **Media Center Help**, if Media Center software is running. (If Media Center software is not running, the Help and Support Center is started.)
REC	Records TV programs.
PREV	Press once to return to the beginning of the DVD chapter, video track, or audio track.

Press twice to return to the previous DVD chapter, video track, or audio track.

STOP Stops media recording or playback.

PLAY/PAUSE Pauses the movie, video, slide show, or audio track. Press again to resume playback.

NEXT Advances to the next DVD chapter, video track, or audio track.

VOLUME knob Increases (+) and decreases (-) the volume as you turn the knob.

MUTE Turns the sound off. Press again to restore sound.

STANDBY Places the computer in Stand by mode to reduce power consumption. Press any key briefly to resume normal operation.

KEY DESCRIPTION

Function The 12 function keys along the top of the keyboard are used to perform certain tasks. The task associated with each function key may vary between software programs.

Numeric keypad Use the numeric keypad area to type numbers or to perform basic math calculations. Press the Num Lock key to activate the numeric keypad. (The Num Lock indicator lights.) Press the Num Lock key again to deactivate the numeric keypad.

Directional Arrows The Up, Down, Left, and Right arrow keys move the pointer on the screen.

Applications

The Applications key displays a shortcut menu in certain software programs. Pressing this key is equivalent to clicking the right mouse button.

Windows

The key with the Microsoft® Windows® logo, displays the Start menu. Pressing this key is equivalent to clicking Start on the taskbar.

INDICATORS FUNCTION

Num Lock The Num Lock indicator lights when the numeric keypad is activated. When the indicator is off, the directional arrow and correction keys on the numeric keypad area are active.

Caps Lock The Caps Lock indicator lights to advise you that the keyboard is set to type letters in uppercase. When the indicator is off, the letters appear in lower case as you type.

Scroll Lock The Scroll Lock indicator lights to advise you that your screen's scrolling pattern has changed. When the indicator is off, the screen scrolls normally. This function is not available with all software programs.

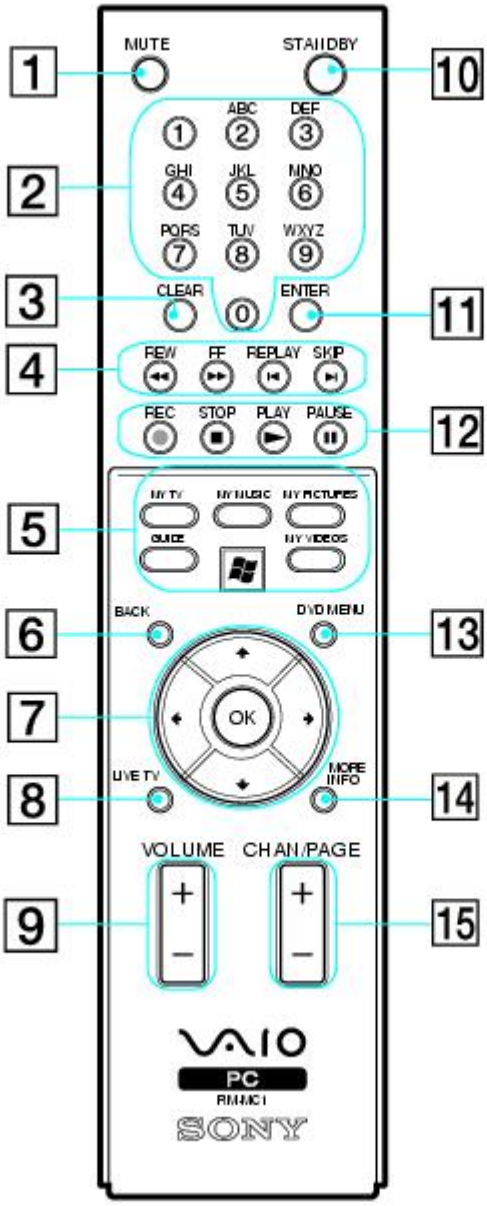
About the Remote Control

The Media Center remote control is supplied with VAIO Digital Studio® computers that are equipped with Microsoft® Windows® XP Media Center Edition features. Go to http://www.sony.com/pcsupport to view the specifications for your computer's hardware configuration.

Remote control

The remote control can start and stop video recording and playback, select channels, and set viewing preferences. This section describes the basic functions of your remote control.

Remote Control



1 MUTE button

Press to turn off the sound. Press again to restore the sound.

2 Channel number buttons (0-9)

Press to select specific channels or enter text.

(Press **Enter** or **OK** to activate the channel selection.)

3 CLEAR button

Use to backspace and delete entered text.

4 REW button

Press to move media backward at two speeds.

FF button

Press to fast-forward media at three speeds.

REPLAY button

Press to move media backward, for example, one audio track, one DVD chapter, and seven seconds of TV or video.

SKIP button

Press to move media forward, for example, one audio track, one DVD chapter, and 30 seconds of recorded TV or video.

5 MY TV button

Press to change from the on-screen image to the TV.

MY MUSIC button

Press to view and listen to your music playlists.

MY PICTURES button

Press to view pictures or a slide show.

GUIDE button

Press to view the TV program guide for your area.

START button

Press to open the Media Center Start menu.

MY VIDEOS button

Press to view videos from your video collection.

6 BACK button

Press to return to the previous window.

7 Directional arrow buttons

Press the Up, Down, Left, and Right arrow buttons to move the pointer on the screen.

OK button

Press **OK** to select the desired action or window option. If watching full-screen TV press **OK** to return to the previous channel. Press **OK** again to switch between channels.

8 LIVE TV button

Press to view TV in full-screen mode.

9 VOLUME button

Press to increase (+) or decrease (-) the volume.

10 STANDBY button

Press to place the computer in Stand by mode to reduce power consumption. Press any button briefly to resume normal operation.

11 ENTER button

Press to stop recording.

12 REC button

Press to begin recording.

STOP button

Press to stop media playback or TV recording session.

PLAY button

Press to begin media playback.

PAUSE button

Press to pause media playback. Press again to resume playback.

13 DVD MENU button

Press to open the main menu on a DVD.

14 MORE INFO button

Press to view any available information about the selected media.

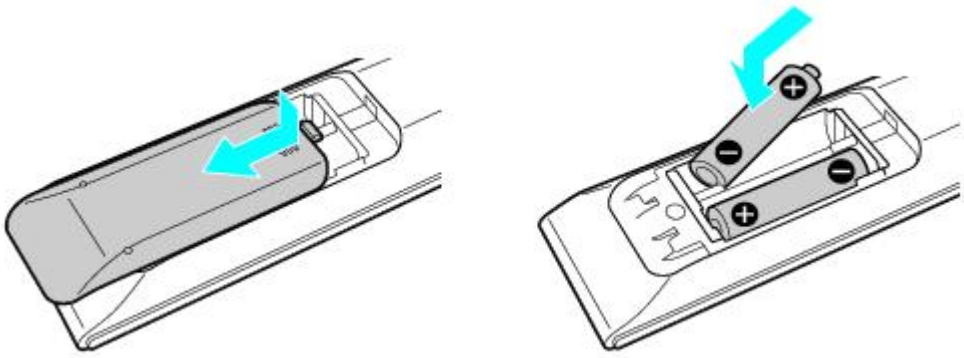
15 CHAN/PAGE button

Press to change, page up and down channels automatically (no number input required).

Setting up the remote control

Insert two AA batteries (supplied) into the remote control as shown.

Inserting batteries into the remote control



If your remote control does not operate properly, you may need to replace the batteries.

If your remote control is not being used for extended periods of time, remove the batteries to avoid possible damage from battery leakage.

Setting Up Your Computer

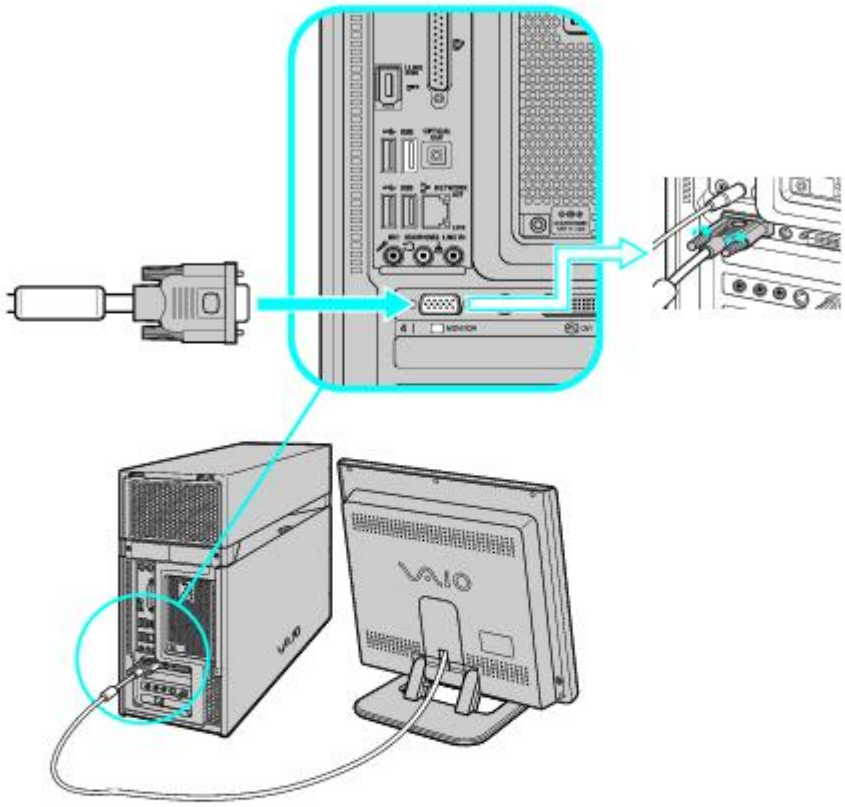
Your computer may not be equipped with all of the hardware features described in the section. The location of the controls, ports, and jacks may vary from the illustrations shown. See the online *Specifications* sheet for your system's specific hardware configuration.

- Connecting a Display (Monitor)
- Connecting the Speakers and Sub-woofer Unit
- Connecting the Keyboard and Mouse
- Connecting the Telephone and Modem Cables
- Connecting the Power Cords
- Turning On Your Computer
- Registering Your Computer
- Turning Off Your Computer

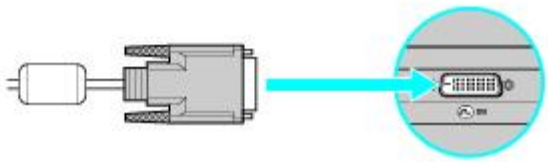
Connecting a Display (Monitor)

1. Plug the display's cable into the monitor port.
2. If necessary, plug the display's cable into the rear of the display.

To connect a display



To connect a DVI display



Install your equipment so that you can easily reach the power outlet in the event of an emergency.

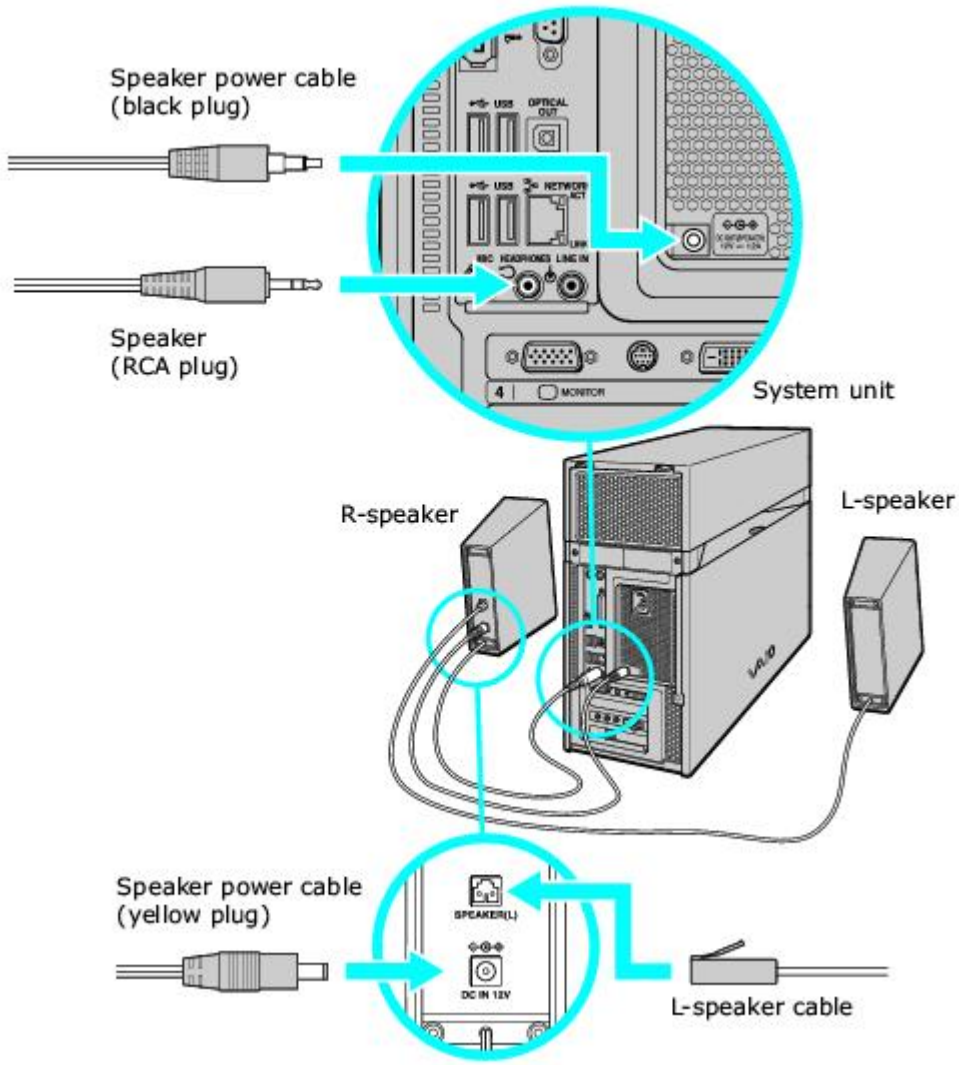
Connecting the Speakers and Sub-woofer Unit

Certain VAIO® computer models are supplied with a sub-woofer unit. For information about supplied accessories, go to the Sony Online Support Web site at *http://www.sony.com/pcsupport* to view your computer's specifications sheet.

To connect the speakers

1. Plug the cable attached to the back of the left speaker into the Speaker(L) jack on the back of the right speaker.
2. Insert the yellow plug of the speaker power cable into the DC In jack on the back of the right speaker.
3. Insert the black plug of the speaker power cable into the DC Out jack located on the back panel of your computer.

To connect the computer and speakers



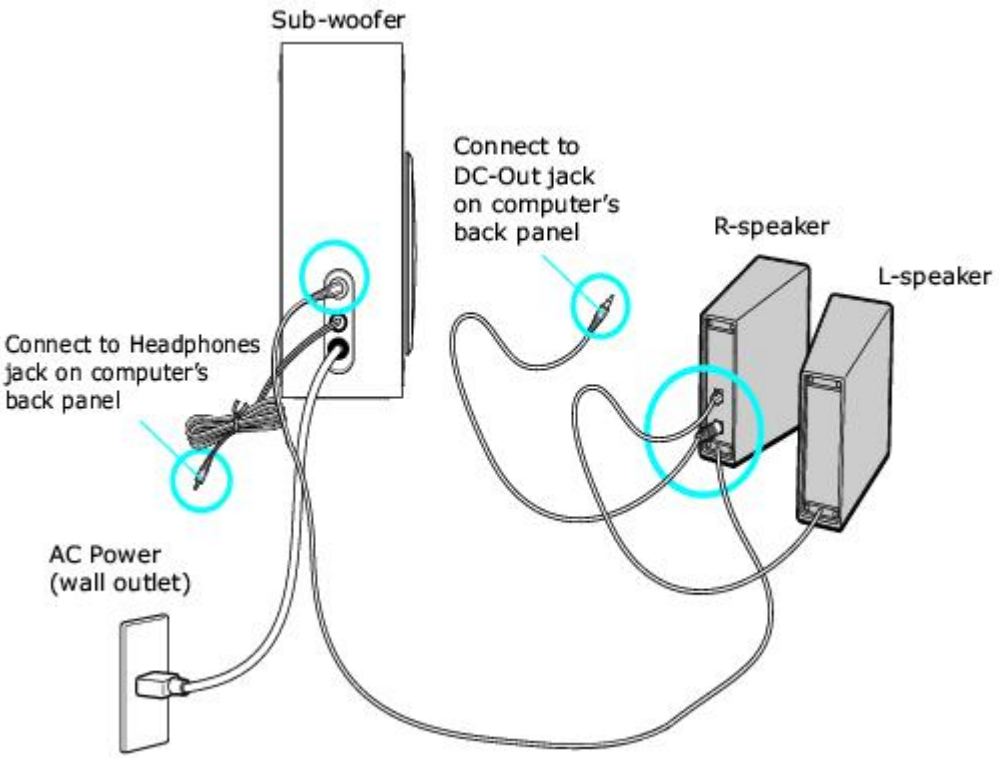
4. Insert the RCA plug of the cable that is attached to the right speaker into the Headphones jack, located on the back panel of your computer.

To connect a Sub-woofer unit

Certain VAIO® computer models are supplied with a sub-woofer unit which require a slightly different setup. See your computer's specifications sheet for information about supplied accessories.

1. Insert the RCA plug of the cable that is attached to the right speaker into the speaker jack, located on the left side of the sub-woofer unit.

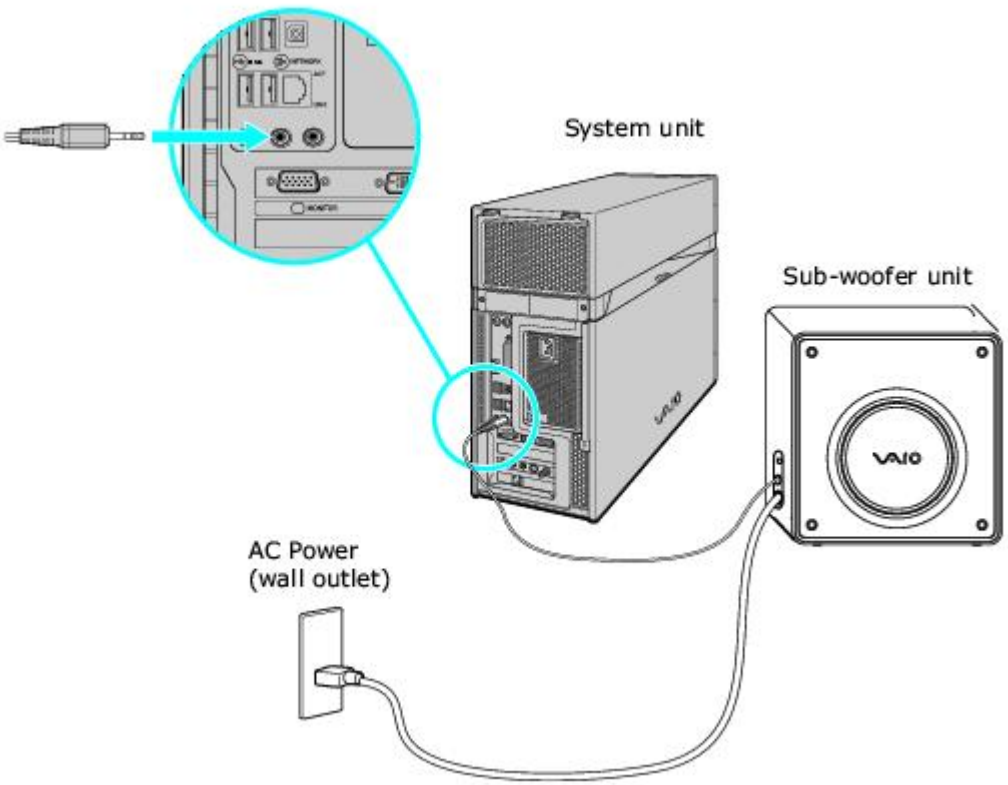
To connect the speakers and sub-woofer unit



2. Insert the RCA plug of the sub-woofer unit's cable into the Headphones jack, located on the back panel of your computer.

3. Plug the sub-woofer unit's power cord into a grounded AC wall outlet or power strip.

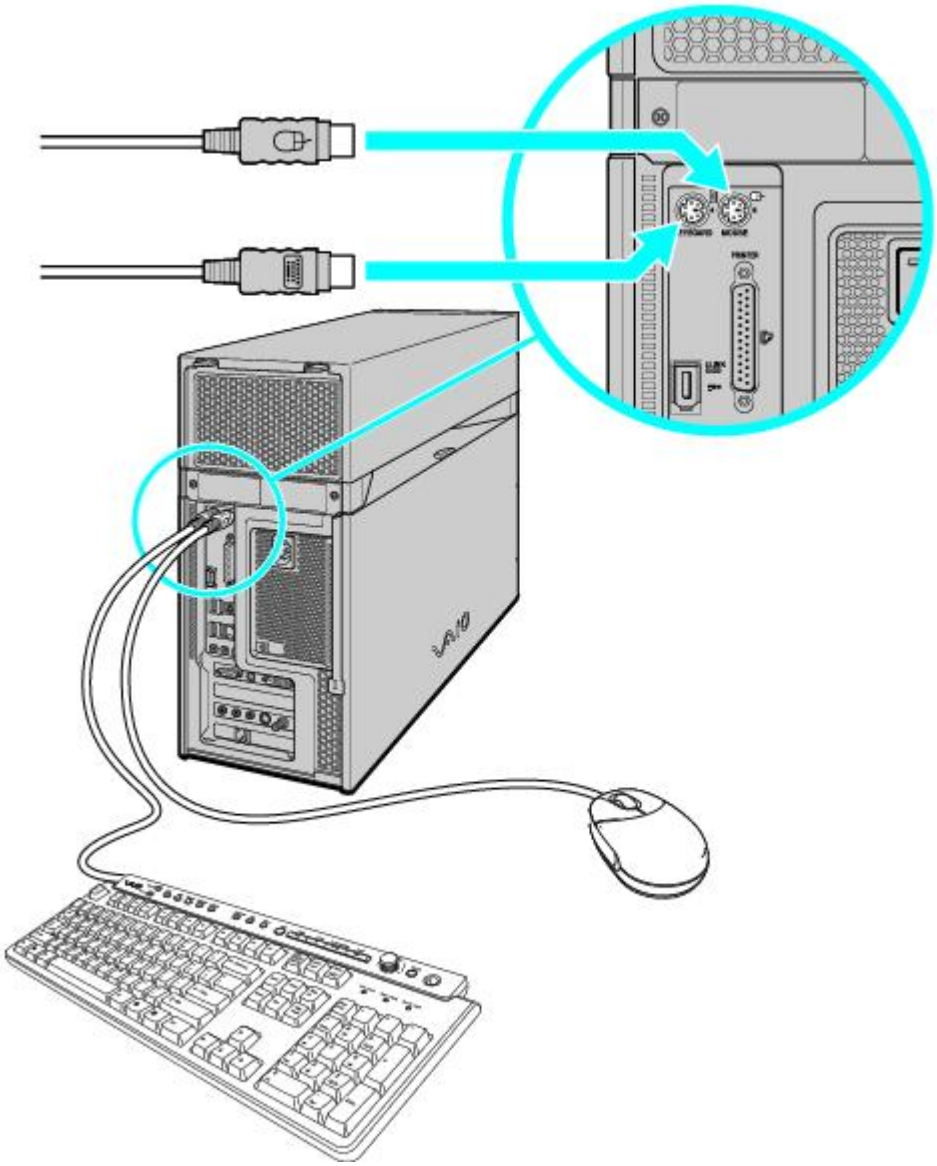
To connect the sub-woofer to the computer



Connecting the Keyboard and Mouse

1. Plug the keyboard cable into the keyboard port on the back of the computer.
2. Plug the mouse cable into the mouse port on the back of the computer.

To connect the keyboard and mouse



To use an optical mouse

An optical mouse requires an ideal surface texture in order to provide precision pointing and tracking.

- Use surfaces such as plain paper, card stock, or fabric that have minimal repetitive patterning.
- Avoid surfaces such as mirrors, smooth glass, or magazines that have halftone printing.

Connecting the Telephone and Modem Cables

Your computer is equipped with a single modem line jack to connect the supplied modem cable to your telephone wall jack. To use your wall jack for your telephone and modem lines, purchase a "1-to-2" jack adapter device (splitter).

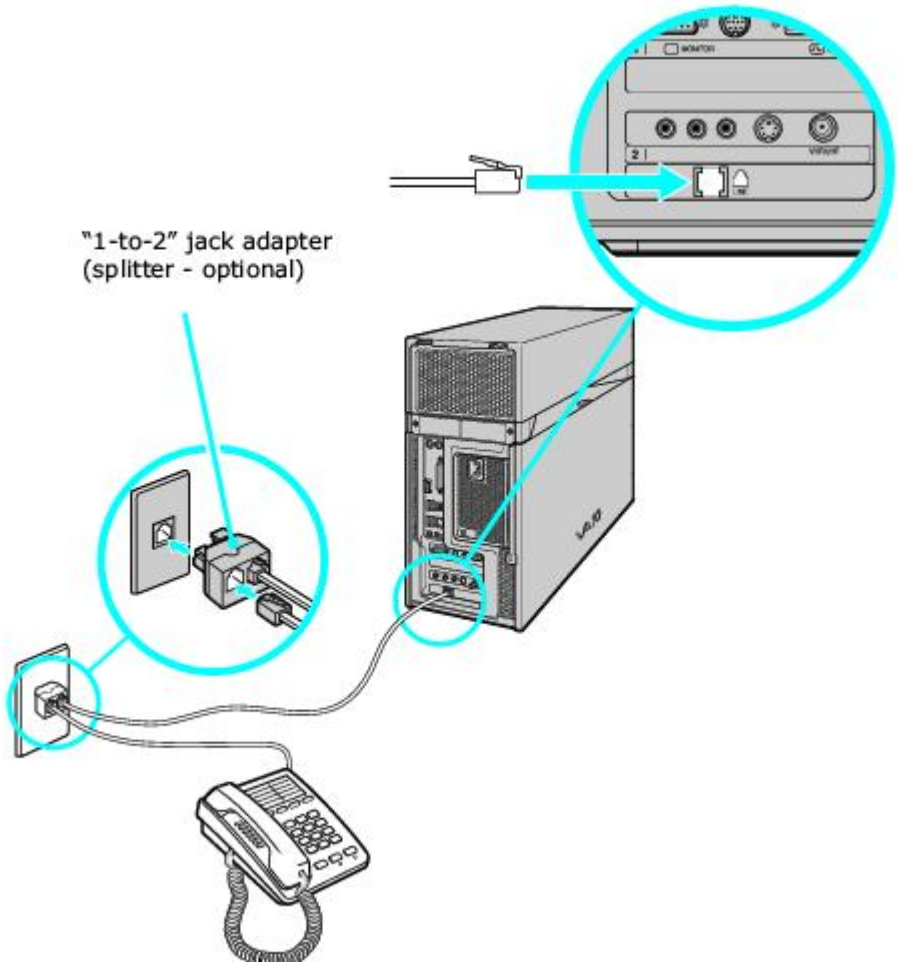
To connect the modem cable

1. Unplug your telephone from the wall jack.
2. Plug the modem cable (supplied) into the modem line jack located on the back panel of your computer
3. Plug the other end of the modem cable into the wall jack.

To connect the telephone and modem cables

1. Unplug your telephone cable from the wall jack.
2. Insert the telephone cable into one of the RJ-11 jacks on an optional "1-to-2" jack adapter device (splitter).
3. Insert one end of the modem cable (supplied) into the other RJ-11 jack on the splitter device.
4. Insert the plug end of the splitter device into the wall jack.
5. Plug the modem cable into the modem line jack located on the back panel of the computer.

To connect the telephone and modem cables

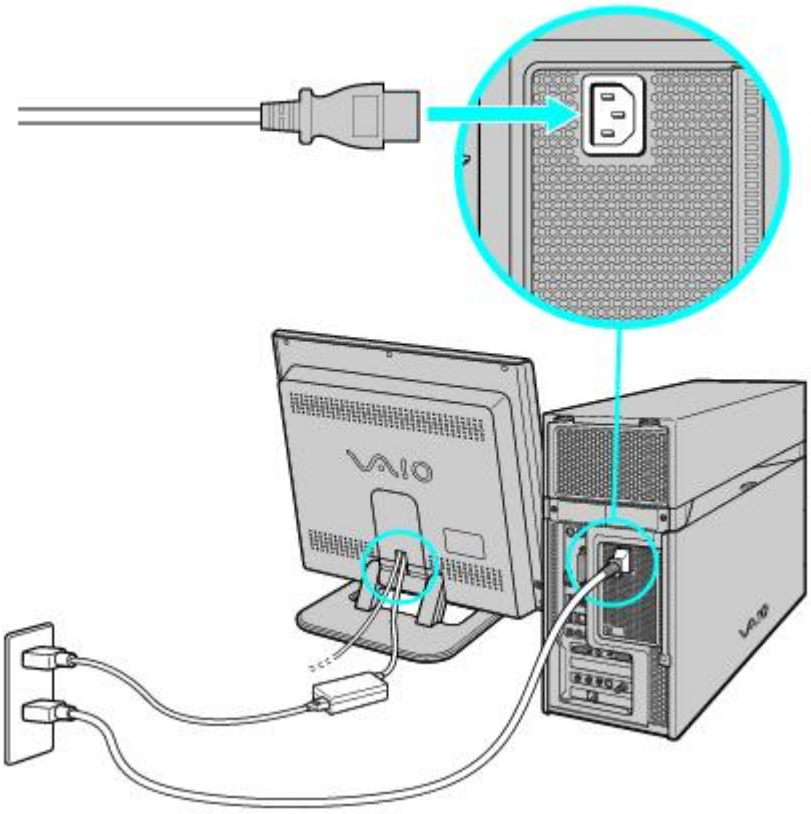


Your computer has a protective sticker covering the Ethernet port located on the rear panel. Connect 10BASE-T, 100BASE-TX, or 1000BASE-TX cables to the Ethernet port, depending on your computer's Ethernet port specification. Using incorrect cables or a telephone cable may result in an electric current overload that can cause a malfunction, excessive heat, or fire in the Ethernet port. For help on connecting to a network, see your network administrator.

Connecting the Power Cords

1. Plug the power cord into the back of the computer.
2. Plug both the display and computer power cords into a grounded AC wall outlet or a power strip.

To connect the power cords



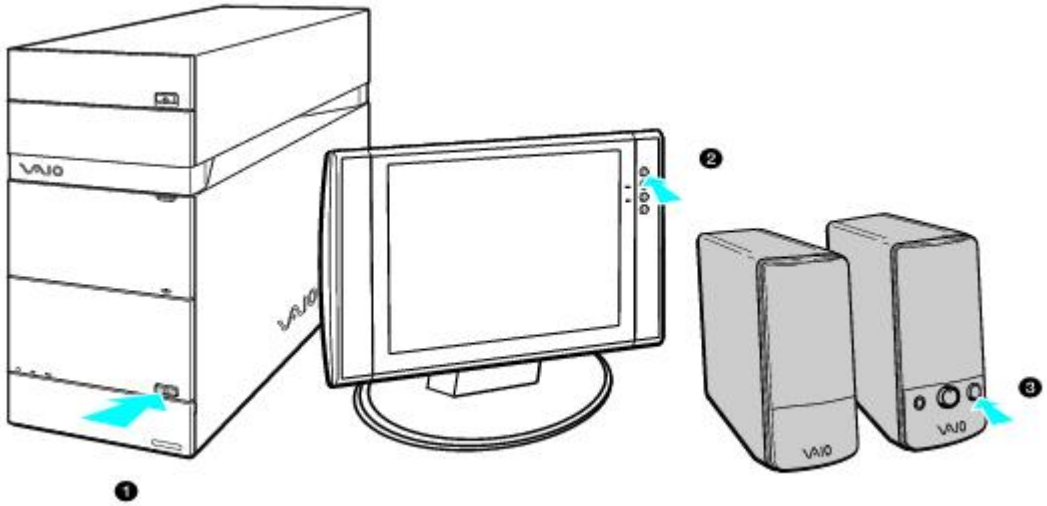
Turning On Your Computer

When you start your system for the first time, your computer may detect new equipment and display a dialog box that prompts you to restart your computer. Respond to this prompt immediately.

Before turning on your computer, set up your Sony VAIO® Media Center cables and connections. For detailed instructions, see Setting Up Media Center.

1. Press the power button on the computer to turn on the power.
2. Press the power button on the display to turn on the power.
3. Press the power button on the right speaker to turn on the power.

To turn on your computer



Registering Your Computer

Take advantage of Sony's commitment to quality customer support and receive these benefits by registering your computer:

- **Sony Customer Support —** Communicate with a Support Representative to troubleshoot problems you may be having with your computer.
- **Limited warranty —** Protect your investment. See the Limited Warranty Card for more details.

You are prompted to register your computer the first time you turn on the unit. Follow the on-screen instructions to complete the registration process. If you are not able to register your computer during the first session, you are provided with additional registration opportunities later.

Turning Off Your Computer

Follow these steps when you are ready to turn off your computer for an extended period of time.

To avoid loss of data, do not use the Power button to turn off the computer.

To turn off your computer

1. Click **Start** in the Windows® taskbar, then select **Turn Off Computer**.

   The **Turn Off Computer** dialog box appears.

2. Select the **Turn Off** option.

   Respond to any prompts about saving your documents.

3. Wait for your computer to turn off automatically—the power indicator light turns off.

4. Turn off any peripheral devices connected to your computer.

   If you plan to stop using your computer for a short period of time, use Stand by mode.

About the power button

If your system stops responding, press and hold the Power button for more than six seconds to force your system to shut down. You may need to repeat this procedure if your system does not shut down on the first attempt.

About Media Center

Welcome to a new and exciting experience in home entertainment, with your VAIO Digital Studio® computer and the Microsoft® Windows® XP Media Center Edition[1] (Media Center). Your new computer and the Media Center bring together all of your entertainment sources — TV, VCR, music, pictures, and DVD player — into one location that is easily accessed with a Media Center remote control, a mouse, or a keyboard.

- Microsoft Windows Media Center Edition
- Your VAIO Digital Studio Computer and Media Center

[1] The Microsoft® Windows® XP Media Center Edition operating system is available on certain VAIO Digital Studio® computers. See your online specifications sheet for more information about your computer's configuration.

Microsoft Windows Media Center Edition

The Microsoft® Windows® XP Media Center Edition operating system combines the multimedia features of a personal computer with the convenience of a home entertainment center. Media Center enables you to view, organize, store, and browse your photos, video/movie libraries, music playlists, and recorded TV programs, while running other software programs.

Media Center enables you to perform many functions, such as:

- Viewing and recording TV programs.
- Playing CDs, DVDs, and digital videos.
- Creating music playlists and listening to music files.
- Viewing digital photos individually or as a slide show with background music.
- Enjoying TV, DVDs, or your favorite music, while performing other tasks on your computer.

Your VAIO Digital Studio Computer and Media Center

Your VAIO Digital Studio® computer compliments this exceptional operating system with preinstalled multimedia software programs, superior graphics and audio capability, and a DVD±RW drive that burns and plays DVD and CD media.

Your computer comes equipped with features that enhance Media Center. You can:

- Set up a home network to share media content.
- Edit and organize digital images.
- Save your favorite recorded TV programs to DVD media.
- Play and edit your home videos.
- Create DVDs by capturing video content straight from a digital video device.
- Burn music files to CD media.

Setting Up Media Center

Your VAIO Digital Studio® computer may be equipped with the Microsoft® Windows® XP Media Center Edition[1] operating system, to enhance your computing experience. Media Center provides you with a wide range of TV, DVD, and video viewing, as well as music recording and playback. This section describes how to set up your TV, set-top box, and other equipment.

- Setting Up TV Connections
- Connecting the Remote Sensor and Remote Sensor Control
- Setting Up Additional Equipment

[1] The Microsoft® Windows® XP Media Center Edition operating system is available on certain VAIO Digital Studio® computers. See your online specifications sheet for more information about your computer's configuration.

Setting Up TV Connections

The best method of connecting your computer, TV monitor or display, and TV programming access, is determined by the type of cable service connection available in your home. Your computer's hardware configuration may vary from the illustrations shown in this section. See the online *Specifications* sheet for details about your computer's hardware configuration.

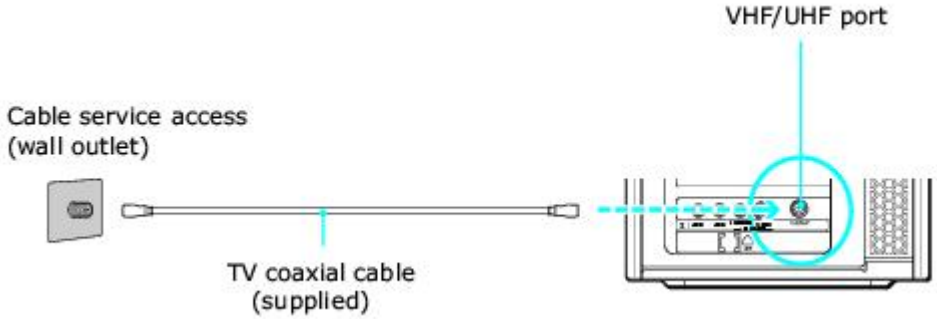
Your VAIO Digital Studio ® computer is supplied with certain video cables. Depending on your in-home cable access, you may require extra cables, adapters or connection equipment not supplied with your computer.

Connecting to standard cable access (CATV)

Option 1

1. Connect one end of the TV coaxial cable (supplied) to your cable service access.
2. Connect the other end of the TV coaxial cable to the VHF/UHF port on the back panel of your computer.

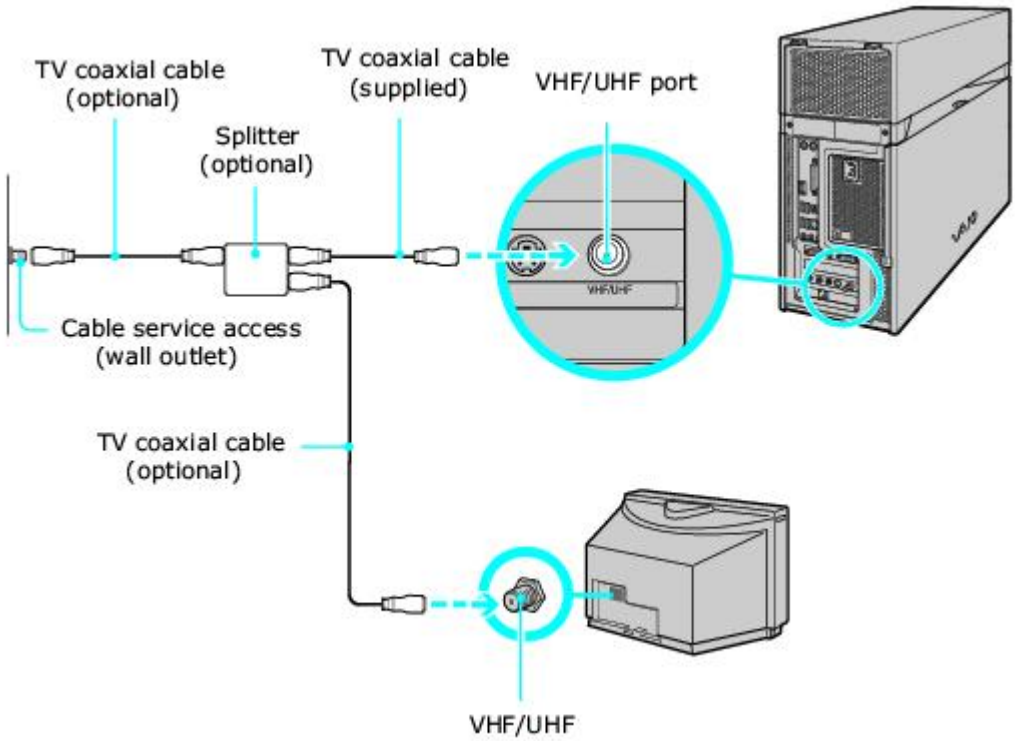
To connect in CATV mode (Option 1)



Option 2

1. Connect one end of a TV coaxial cable (optional) to your cable service access. Connect the other end to the single-connection side of a splitter adapter.
2. Connect the TV coaxial cable (supplied) to the double-connection side of the splitter adapter. Connect the other end to the VHF/UHF port on the back panel of your computer.
3. Connect a third TV coaxial cable (optional) to the double-connection side of the splitter adapter. Connect the other end to the VHF/UHF port on the back of your TV monitor or display.

To connect in CATV mode (Option 2)



Connecting to a standard antenna (air) system

You can connect your computer to an indoor/outdoor antenna system, using Option 1 or 2 from the previous section, Connecting to standard cable access (CATV) The antenna system in your home may require a VHF/UHF RF combiner/transformer (optional) to connect your computer and the indoor/outdoor antenna system.

If you are connecting to an indoor/outdoor antenna system, you may need to reorient the antenna for better reception.

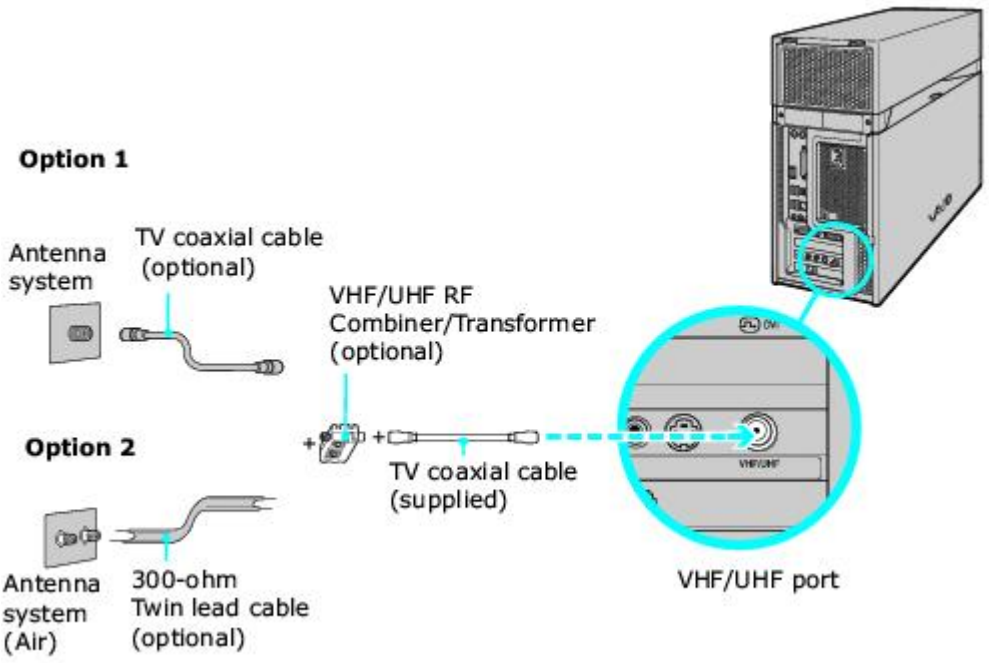
Option 1

1. Connect one end of a TV coaxial cable (optional) to your antenna outlet. Connect the other end to a VHF/UHF RF combiner/transformer (optional).
2. Connect the TV coaxial cable (supplied) from the combiner/transformer to the VHF/UHF port on the back panel of your computer.

Option 2

1. Connect both ends of the antenna's twin lead cable to the screw-type grips on the combiner/transformer.
2. Connect the TV coaxial cable (supplied) from the combiner/transformer to the VHF/UHF port on the back panel of your computer.

To connect in standard antenna mode (air)



Your VAIO Digital Studio® computer is supplied with certain video cables. Depending on your in-home cable access, you may require extra cables, adapters or connection equipment not supplied with your computer.

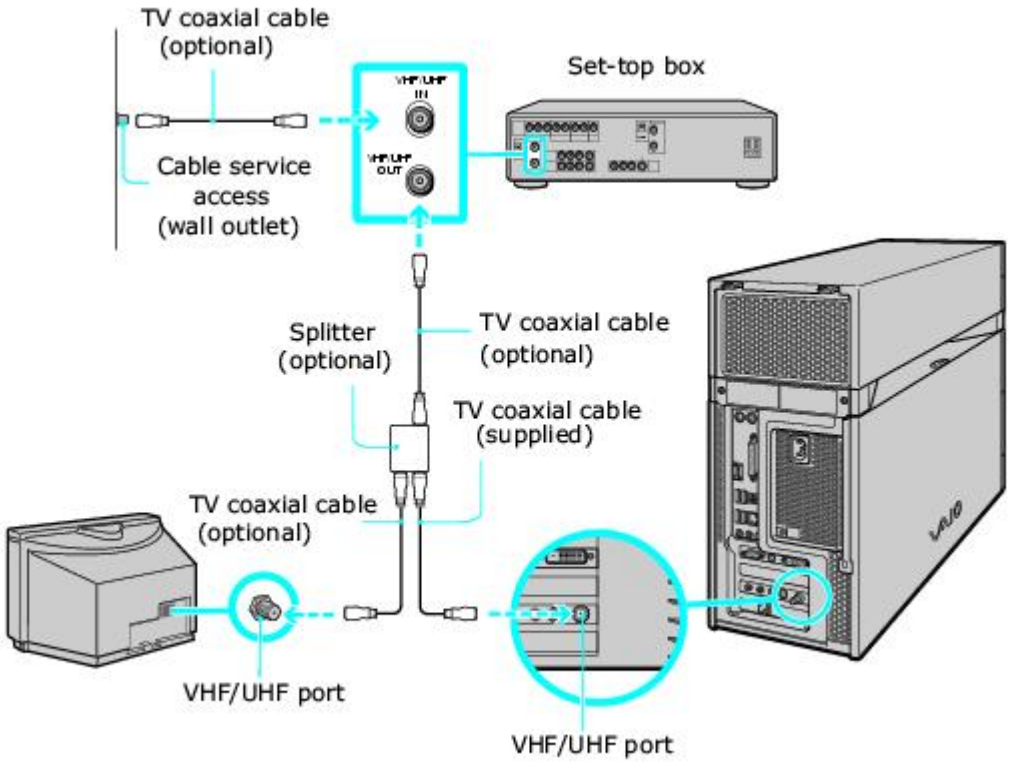
Connecting a cable or satellite set-top box

You can connect your computer to cable or satellite service that requires a set-top box.

Option 1

1. Connect one end of a TV coaxial cable (optional) to your cable service access. Connect the other end to the In jack on the back panel of your set-top box.
2. Connect a second TV coaxial cable (optional) to the Out jack on your set-top box. Connect the other end to the single-connection end of a splitter adapter (optional).
3. Connect a third TV coaxial cable (supplied) to the double-connection end of the splitter adapter. Connect the other end to the VHF/UHF port on the back panel of your computer.
4. Connect a fourth TV coaxial cable (optional) to the double-connection end of the splitter adapter. Connect the other end to the VHF/UHF port on the rear of your TV monitor or display.

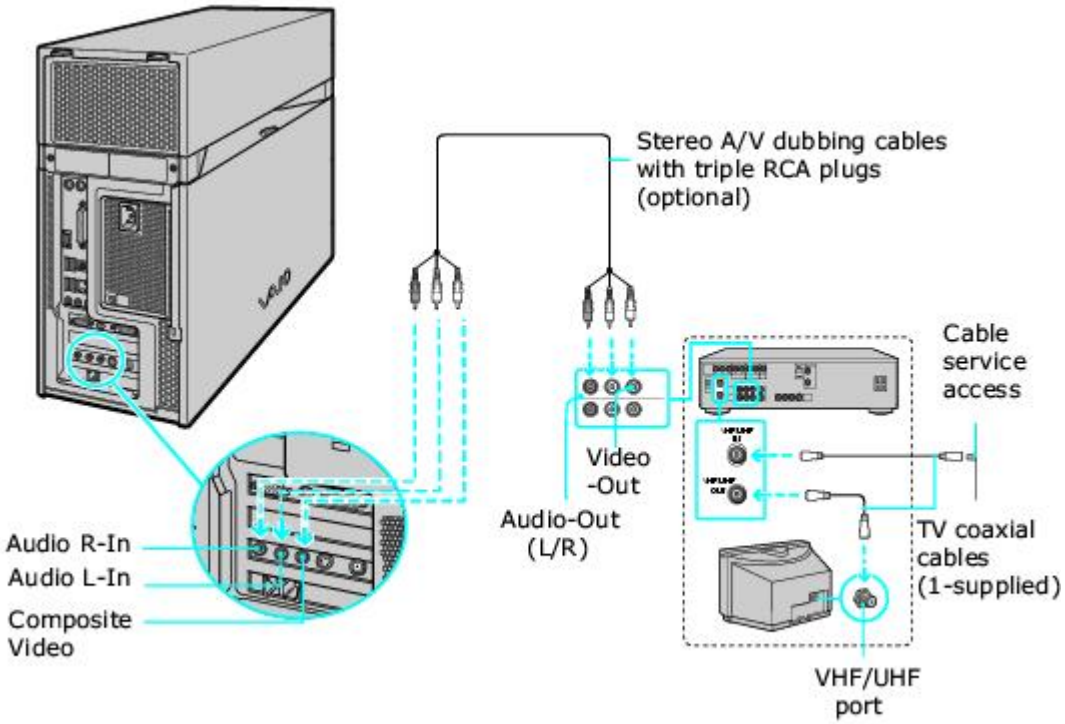
To connect in set-top box mode (Option 1)



Option 2

1. Connect one end of the TV coaxial cable (supplied) to your cable service access. Connect the other end to the In jack on the back panel of your set-top box.
2. Connect a second TV coaxial cable (optional) to the Out jack on your set-top box. Connect the other end to the VHF/UHF port on the rear of your TV monitor or display.
3. Connect one end of the stereo A/V dubbing cables with triple RCA jacks (optional) to the Video Out and Audio-OUT (L/R) jacks on the back panel of your set-top box, matching the plug and jack colors.
4. Connect the other RCA jacks of the stereo dubbing cable into the Audio-R (IN), Audio-L (IN), and Composite video (IN) jacks on the back panel of your computer, matching the plug and jack colors.

To connect in set-top box mode (Option 2)



✍ You can connect your computer to a set-top box using an S-video cable (optional) instead of a stereo A/V dubbing cable (optional). See Setting Up Additional Equipment.

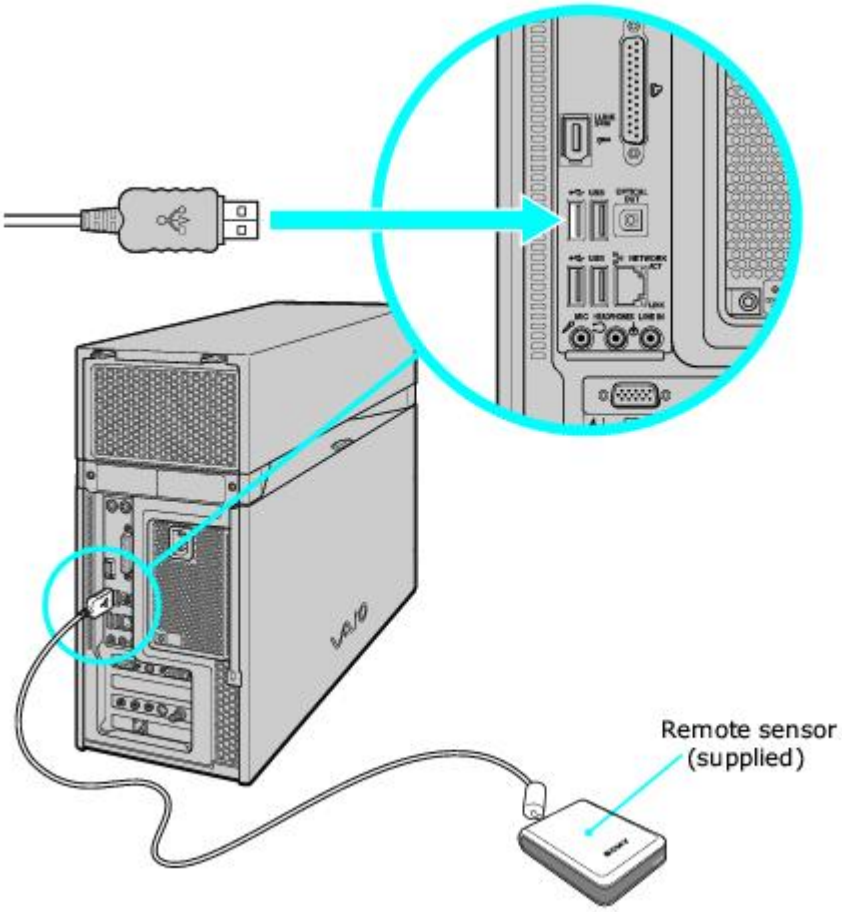
Connecting the Remote Sensor and Remote Sensor Control

The remote sensor communicates with the Media Center remote control, enabling you to change channels and to perform other functions. If you are using a cable or satellite set-top box, you can connect the remote sensor control to the remote sensor, which enables you to control the set-top box with the remote control.

To connect the remote sensor

1. Connect the remote sensor unit to a USB port located on either the front or back panel of your computer.
2. Place the remote sensor in a position that enables it to communicate with your remote control.

Connecting the remote sensor (back panel)



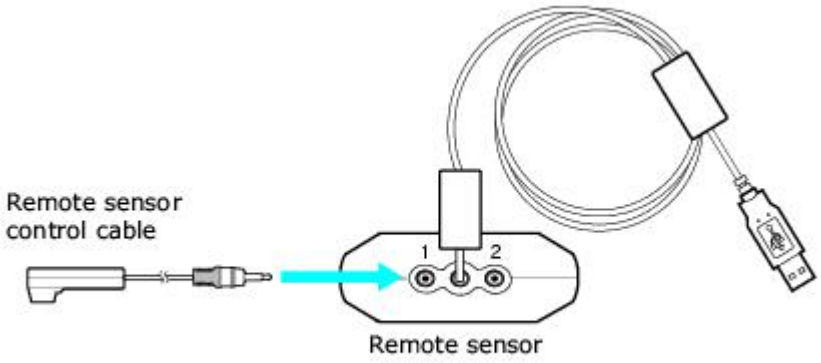
The remote sensor unit must be visible in a line-of-sight with your remote control in order to function properly.

To connect the remote sensor control

1. Plug the remote sensor control's cable into either jack (1 or 2) located on the back of the remote sensor.

✍ When you attach the remote control sensor to a cable or satellite set-top box, you can control the set-top box functions with your remote control.

Connecting the remote sensor and remote sensor control

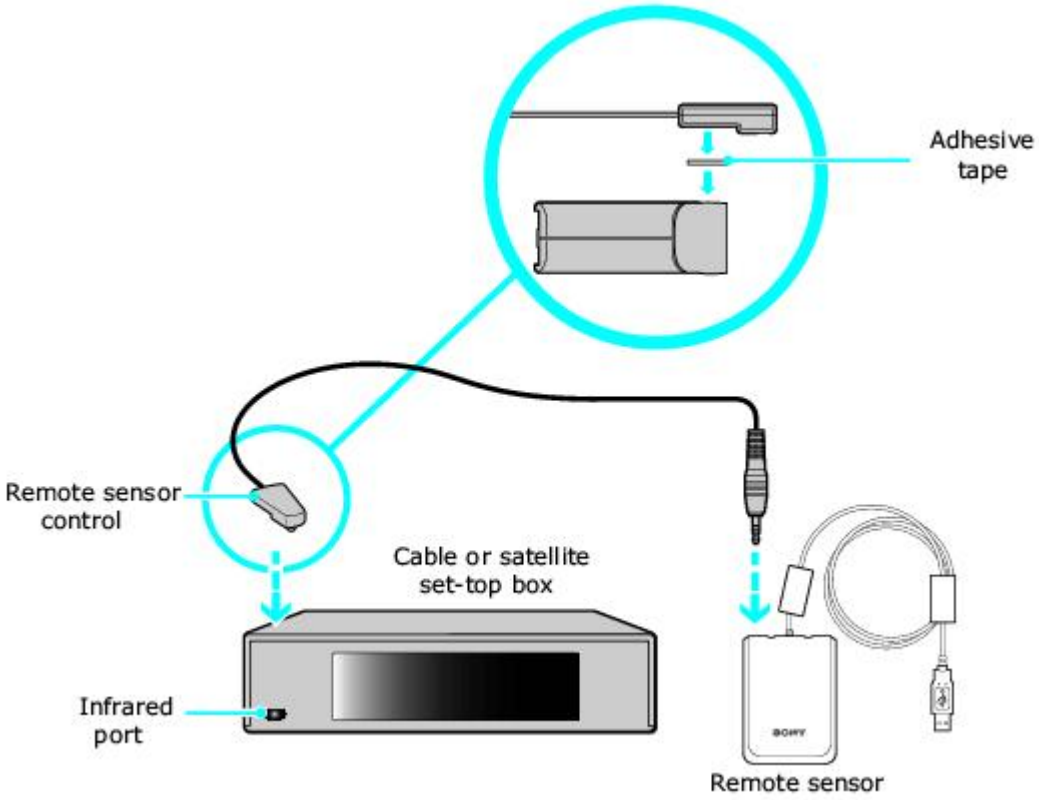


2. Place the remote sensor control above the set-top box's infrared port.

3. Attach the double-sided adhesive tape to the top of the set-top box.

4. Press the remote sensor control onto the tape, ensuring that the front edge extends over the front of the box, as shown in the following illustration.

Attaching the remote sensor control cable to a cable or satellite set-top box



Setting Up Additional Equipment

This section illustrates how to connect additional equipment with your VAIO Digital Studio® computer.

Connecting with an audio cable

Your computer has both audio and video connection capability. You can locate the appropriate connections on the back panel or behind the lower bottom panel on the front of the computer. You can connect a VCR or camcorder using the composite audio In jacks.

1. Connect a dual audio cable (optional) to the composite audio L and R In jacks, located on the either the front or rear panels of your computer.

2. Connect the other ends of the dual audio cable to your VCR or camcorder.

Connecting with an S-video cable

Your VCR or camcorder may have either standard video or S-video connection capability.

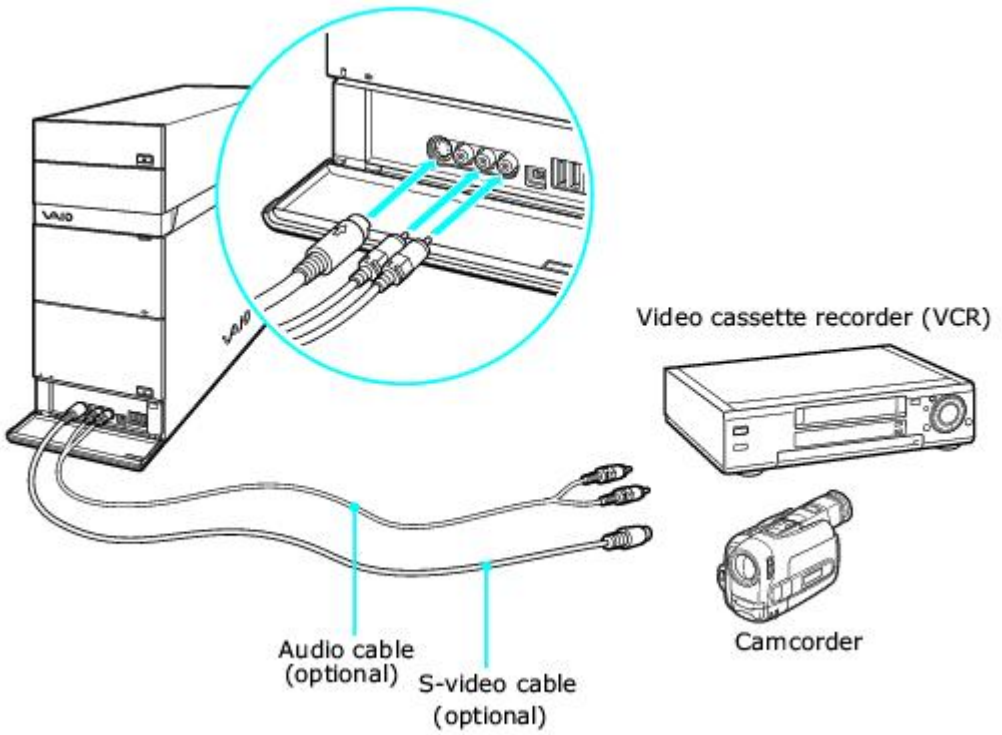
Option 1

1. Connect an S-video cable (optional) directly into the S-video jack on either the front or back panel of your computer.
2. Connect the other end of the S-video cable into the appropriate port on your compatible VCR or camcorder.

Option 2

1. Connect a stereo A/V dubbing cable with triple RCA plugs at each end (optional) directly into the composite video port, composite audio L and R jacks, located on either the front or back panel of your computer.
2. Connect the other ends of the stereo A/V dubbing cable into the appropriate jacks on your compatible VCR or camcorder.

To connect a VCR or camcorder



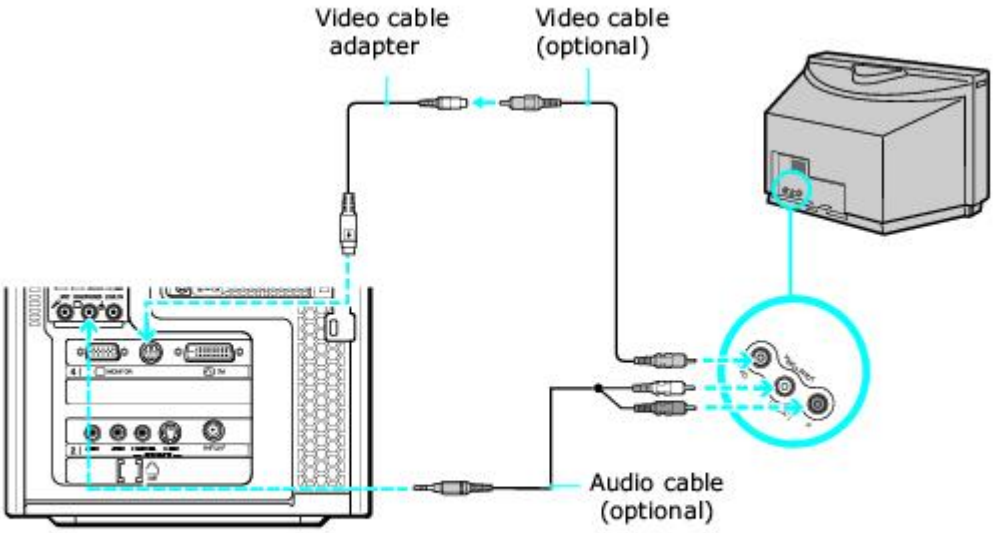
Connecting a TV monitor (display)

1. Connect the video connector end of the video cable adapter[1] (supplied) to the TV Out (S-video/video) jack on the back panel of your computer.

2. Connect the jack end of the video cable adapter to either end of a video cable (optional). Connect the other end of the video cable to the Video-In jack on your TV monitor or display, located on either the side or back of your TV monitor/display.

3. Connect the single-jack end of an audio cable (optional) to the Headphones jack on the back panel of your computer. Connect the double-jack end of the audio cable to the Audio-In (L/R) on your TV monitor or display. (The Audio-In jacks may be located on the side or rear of your TV monitor/display.)

Connecting a TV monitor or display



The video cable adapter is not necessary if you use an S-video cable to connect your TV to the computer's TV out (S-video/video) jack.

[1] The video cable adapter is supplied with certain VAIO computer models. See your computer's specifications sheet for information about supplied accessories.

Media Center — Getting Started

Use the Media Center setup wizard for a quick and easy activation of all the features of Media Center[1].

- Getting Started with Media Center
- Using Media Center
- Starting the Media Center Setup Wizard

[1] The Microsoft® Windows® XP Media Center Edition operating system is available on certain VAIO Digital Studio® computers. See your online specifications sheet for more information about your computer's configuration.

Getting Started with Media Center

There are several tasks to complete before you are ready to use Media Center features. Read this checklist before you begin using the Media Center software program, to enable full use of all the features.

- Set up your VAIO® Media Center computer, accessories, and peripheral equipment correctly, following the instructions in the section, Setting Up Your Computer.
- Evaluate your home environment to determine the best way to connect your TV, set-top box (cable or satellite), Internet, and computer. See the section, Setting Up Media Center.
- Establish an active Internet connection.
- Connect your computer to the TV signal source.
- Insert two AA batteries into the Media Center remote control.
- Plug the remote sensor unit into a USB port on your computer and place it in a location that enables direct communication with the remote control.
- Connect the remote sensor control between your cable or satellite set-top box, and the remote sensor unit.

An Internet connection and TV signal source are not required to use some features, but Sony recommends using these options to fully experience Media Center.

Using Media Center

You can start Media Center and switch between the different functions by pressing a button on the remote control[1], using your computer's keyboard, or clicking the mouse. You can also record TV, watch videos, play music, and use other software programs.

[1] The Media Center remote control is supplied with VAIO Digital Studio® computers that are equipped with Media Center features and the Microsoft® Windows® XP Media Center operating system.

Starting Media Center using the remote control

1. Point the remote control at the remote sensor and press .

   ✍ The remote control must be used within 26 feet (8 meters) of the front of remote sensor unit.

2. Use the arrow buttons on the remote control to navigate and select menu items. Press the **OK** button to activate your selection.

Starting Media Center using your keyboard and mouse

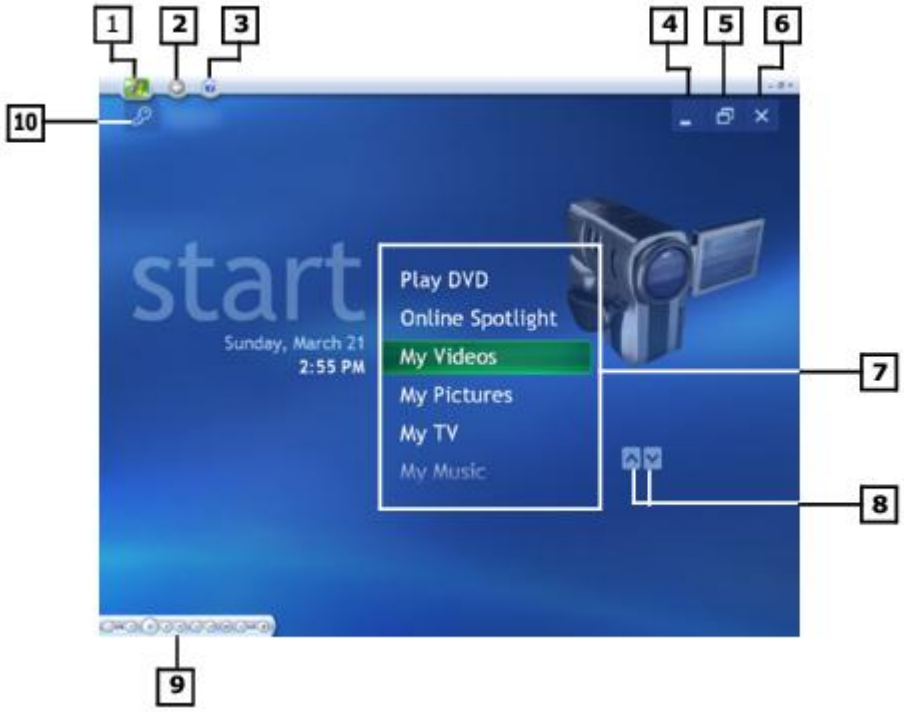
1. Click **Start** from the Windows taskbar and select **Media Center** from the **Start** menu. The **Media Center** main window appears.

2. Use the directional arrows on the keyboard, or move the mouse, to navigate and select menu items. Press **Enter** on the keyboard or left-click the mouse to activate your selection.

About the Media Center Start menu

You can use Start menu to explore Media Center, switch screens, locate controls, and start functions.

Media Center Start



1 Media Center Start

Returns Media Center to the Start menu.

2 Back

Returns Media Center to the previous window.

3 Media Center Help

Starts the Media Center Help guide.

4 Minimize

Minimizes the Media Center window and places the Media Center icon on the taskbar.

5 Maximize

Enlarges the view to full-screen mode.

6 Close Window

Closes Media Center.

7 Play DVD

Plays a DVD movie.

Online Spotlight

Displays links to online media and information services.

My Videos

Plays and sorts home videos.

My Pictures

Displays and sorts digital images and slide shows.

My TV

Plays and records TV programs.

My Music

Plays and sorts music files and music CDs.

Movielink (not shown)

Connects to Movielink , an online movie rental download service.

Create DVD (not shown)

Creates and writes videos to DVD media.

More Programs (not shown)

Displays additional programs that are available through Media Center.

Settings (not shown)

Changes your Media Center preferences, including parental controls, recording and slideshow settings.

8 Scroll Arrows

Moves the Start menu items up and down.

9 Media Playback Controls

Plays, records, rewinds, replays, and stops selected media.

10 Log Off

Logs off from this computer or enables you to switch users.

Exploring Media Center

Selected items, such as folders, files, or menu options, are outlined with a green border.

- Use the arrow buttons on the remote control to select an item, and then press **OK** to activate your selection.
- To switch between inset window and full screen modes, use the arrow keys on the remote control to select the inset window, and then press **OK**.

To switch between Media Center and the desktop

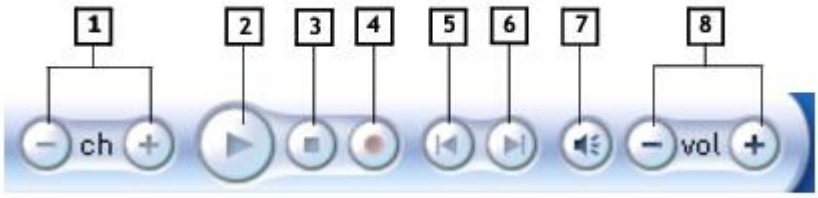
You can view the desktop without closing Media Center.

- Select the **Minimize** button with your remote control or mouse to display the desktop.
- To return to Media Center, press on the Windows® taskbar.

To display or hide the Media Center controls

- You can use your mouse to display the Media Playback Controls.
- You can use the remote control to hide the Media Playback Controls.

Media Center — Media Playback Controls



1 Channel Up and Down

Changes the TV channel up (+) or down (-).

2 Play/Pause

Plays the selected media. Press **Pause** to pause playback. (Press **Pause** again to resume playback.)

3 Stop

Stops playback of selected media.

4 Record

Records TV programs, storing them on the hard disk.

5 Replay/Rewind

Moves backwards in TV programs and selected media.

6 Skip/Fast Forward

Moves ahead in selected media.

7 Mute

Turns the sound off.

8 Volume Up and Down

Increases (+) and decreases (-) sound.

Starting the Media Center Setup Wizard

The setup wizard requires you to provide certain information about your equipment and home environment. To make the setup process easier, be prepared to:

- Log on to Windows® operating system as the administrator. For more information, go to the VAIO Help and Support Center.
- Establish a working Internet connection to enable the download of your local television program guide.
- Provide your Zip code or Postal Code.
- Provide the name of your TV programming provider or the name of your subscription package, if using cable or satellite service.
- Identify the brand name for your set-top box, if your TV service requires one.

To get assistance with the Media Center setup wizard at any time during the setup process, click **Help** button.

Using the setup wizard

The first time you start the Media Center, a setup wizard appears. Follow the steps in Media Center setup wizard to properly activate and configure Media Center. The setup wizard tests your remote control, configures your Internet connection and TV broadcast signal, and sets up the Television Program Guide for your local area.

Media Center - Getting Started

MediaCenter
Getting Started
This wizard helps you set up Media Center to watch TV and record TV programming, in four steps:
1 Check Remote Control
2 Set up Internet Connection
3 Set up Television Signal
4 Set up Television Program Guide
Help
Back
Next
Cancel

If you decide to skip any of the setup wizard steps, you can complete them later in the Settings window in Media Center.

- **Check Remote Control —** The Media Center uses this interactive step to verify that the remote control is communicating with the remote sensor. The LED on the remote control blinks when a button is pressed.

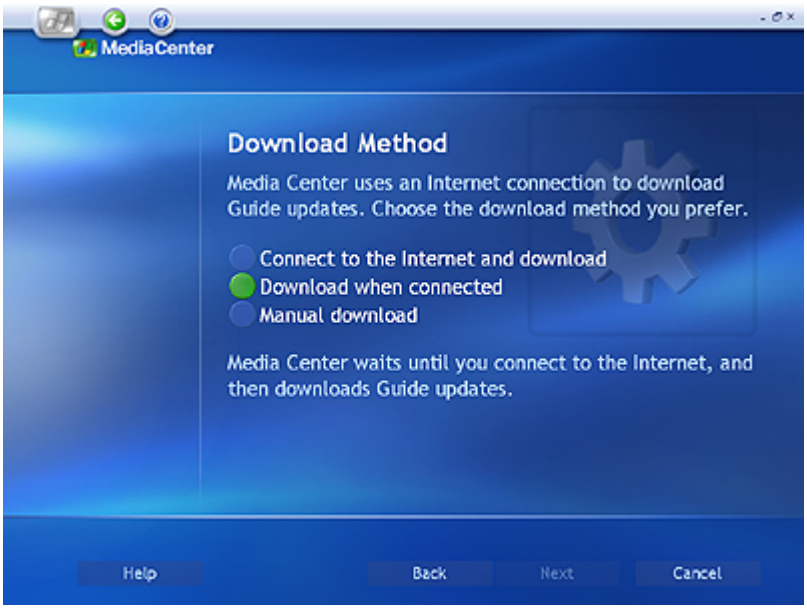
Media Center - Check Your Remote Control

MediaCenter
Check Your Remote Control
Point your Media Center remote control at the remote sensor and press the number buttons. You should see the corresponding buttons react in the graphic below.
Remote Control 1
Connection 2
TV Signal 3
Program Guide 4
1 2 3
4 5 6
7 8 9
0
My remote control is working properly
I'm having problems with my remote control
Help
Back
Next
Cancel

Verify that your remote control has two AA batteries installed.

- **Set up Internet Connection** — The Media Center setup wizard uses an active Internet connection to set up and update your local Television Program Guide. If you have already established an Internet connection, you are asked to choose a download method. Select the appropriate download option, and follow the onscreen instructions.

Media Center - Download Method


MediaCenter
Download Method
Media Center uses an Internet connection to download Guide updates. Choose the download method you prefer.
Connect to the Internet and download
Download when connected
Manual download
Media Center waits until you connect to the Internet, and then downloads Guide updates.
Help
Back
Next
Cancel

✍ The Internet connection provides information about your music CDs and other media. If you skip this step, you can complete them later in the Settings window in Media Center.

- **Set up Television Signal** — The Media Center setup wizard verifies that your computer is receiving the correct TV signal and local TV Program Guide. If you are using a cable or satellite set-top box, this step programs your remote to the box, enabling you to view premium channels.

Media Center - Choose Your TV Signal

✍ Verify that your TV signal source is connected to the computer.

- **Set up Television Program Guide** — The Media Center setup wizard enables your computer to automatically connect to the Internet to update your Television Program Guide. The Guide displays available channels, network, and program information.

Media Center - Program Guide

MediaCenter
Program Guide
The Guide provides TV listings to help you find, watch, and record TV shows. If you use the Guide, anonymous information to improve the quality and accuracy of the service will be sent to Microsoft.
Remote Control 1
Connection 2
TV Signal 3
Program Guide 4
View the Guide privacy statement
Do you want to use the Guide?
Yes
No
Help
Back
Next
Cancel

The message **No data available** is displayed in the Television Program Guide when:

- The Guide has not been set up.
- You have not agreed to the Television Program Guide's Terms of Service.
- The Media Center cannot connect to the Internet and download new Guide information.
- Guide information is not available for your location from the Microsoft TV listings service provider.
- Media Center has determined that the existing Guide information on your computer is expired or corrupted.

Media Center — Play DVD

Media Center enables you to play your DVDs from your computer and control the playback from your favorite chair[1].

- About Playing a DVD
- Changing the View Window
- Using the Remote Control for DVD Playback
- Using the Keyboard for DVD Playback

[1] This feature is available on VAIO Digital Studio® computers that have the Microsoft® Windows® XP Media Center operating system installed. See your online specifications sheet for more information about your computer's configuration.

About Playing a DVD

You can play DVDs and control the playback by using the remote control to fast forward, rewind, stop, or pause playback.

✍ If you play your DVD using another software program, some of the remote control button functions are not available.

To play a DVD

1. Open Media Center by pressing the Start button on the remote control or by clicking **Media Center** from the **Start** menu.
2. Insert the DVD into the optical drive.

   After a few seconds, the movie preview begins.
3. Use the remote control to select **Play Movie**.

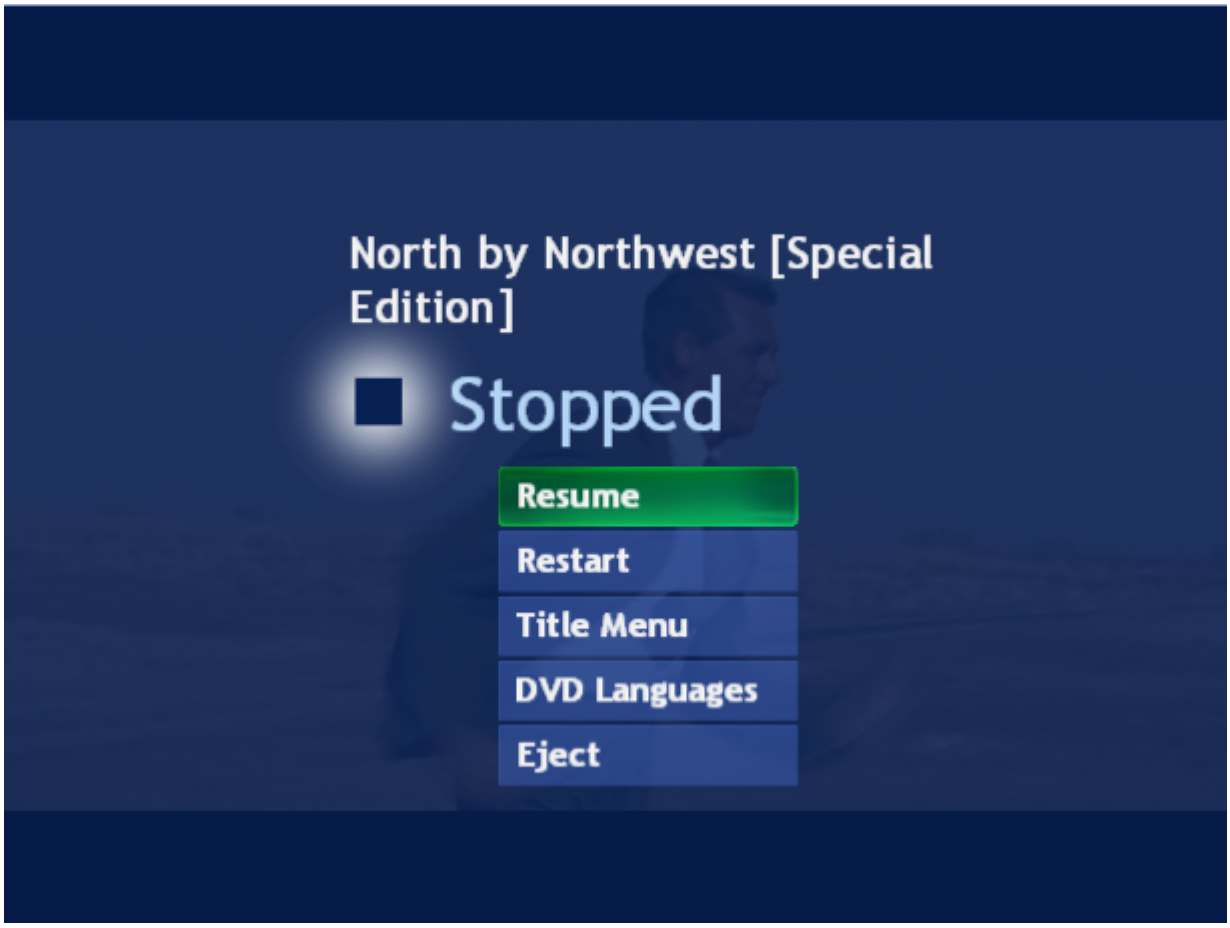
   The movie playback begins.

To stop DVD playback

1. Press the **Stop** button on the remote control, to stop playing the movie.

   The **Stopped** menu appears.

Stopped Menu



2. Press the arrow buttons on the remote control to select an option from the **Stopped** menu, and then press **OK**.

Changing the View Window

You can change the way the DVD is displayed on your TV or monitor, using the remote control.

- Click on the remote control while the DVD is playing, to view the movie in an inset window.
- From the Media Center Start window, press the Down Arrow to select **Play DVD**, and then press **OK** on the remote control. This changes the view to full-screen mode.
- To increase the view mode

  1. Move the pointer over the current view to display the **Maximize** icon .
  2. Click the **Maximize** icon.

  The current view fills the entire screen.

- To decrease the view mode

1. Move the pointer over the current view to display the **Restore Down** icon .
2. Click the **Restore Down** icon.

The current view decreases in size.

Using the Remote Control for DVD Playback

You can use shortcut commands to control DVD playback. See the following list of commands for quick reference.

Remote Control Button	DVD Action
DVD MENU	Displays the DVD media's menu.
PLAY	Plays the DVD in the optical drive.
STOP	Stops DVD playback and opens the **Stopped** menu.
REW (Rewind)	Reverses DVD playback (If playback is paused, the REW button reverses DVD playback frame by frame).
FF (Fast Forward)	Advances DVD playback (If playback is paused, the FF button advances DVD playback frame by frame).
PAUSE	Pauses DVD playback (Press again to resume playback).
REPLAY	Returns to the beginning of the DVD chapter (To return to the beginning, press and hold the **REPLAY** button).
SKIP	Advances to next DVD chapter (To advance to the end, press and hold the **SKIP** button).

Using the Keyboard for DVD Playback

You can use your Media Center keyboard to control DVD playback functions. The arrow keys on your keyboard function like the arrow buttons on the remote control. Use the shortcut keys on the top of your Media Center keyboard. For other playback commands, use these keyboard shortcuts.

Key	DVD Action
CTRL+Shift+M	Go to DVD menu
CTRL+Shift+P	Play
CTRL+Shift+S	Stop (The **Stopped** menu appears.)
CTRL+B	Replay
CTRL+F	Skip forward
F8	Mute (Press again to restore sound.)
F9	Volume down
F10	Volume up

Media Center — My Videos

Play digital videos using your Media Center remote control or computer keyboard. You can store your videos in folders for your own use, or place them in the Shared Videos folder for all user accounts to access[1].

- About My Videos
- Playing Videos
- About DVgate Plus Software

[1] This feature is available on VAIO Digital Studio® computers that have the Microsoft® Windows® XP Media Center operating system installed. See your online specifications sheet for more information about your computer's configuration.

About My Videos

My Videos enables you to play your home movies and digital videos using the Media Center remote control or the keyboard. You can organize, store, and play videos that you have created, downloaded from the Internet, or recorded from TV.

From the My Videos window, you can perform many tasks, such as:

- Playing your favorite home videos.
- Organizing your videos by title or date.
- Storing video files in the My Videos folder for your own use.
- Storing video files in the Shared Videos folder to share across all computer user accounts.
- Viewing the videos created with the DVgate Plus software program.

Using the remote control

You can open the My Videos window by pressing My Videos on the remote control or by selecting My Videos from the Media Center Start menu, using the supplied remote control, keyboard, or mouse. You can perform many actions with the remote control with the touch of a button.

✍ The remote control must be used within 26 feet (8 meters) of the front of remote sensor unit.

Storing video files

Media Center stores your videos in these locations:

- The My Videos folder
- The Shared Video folder

The contents of these folders appear on the My Videos window. If you want to see a video file or recorded TV program on the My Videos window, move the files into either the My Videos or Shared Video folders.

Your saved video files appear as folder and thumbnail icons.

To open the My Videos folder

1. Click **Start** on the Windows® taskbar, and point to **My Computer**.

   The **My Computer** window appears.

2. In the left panel under **Other Places**, click **My Documents.**

3. In the right panel, click the **My Videos** folder.

   The **My Videos** window appears, displaying your available video files.

The **My Videos** folder is created after you start the Media Center software program and then start the **My Videos** feature.

To open the Shared Video folder

1. Click **Start** on the Windows taskbar, and point to **My Computer**.

   The **My Computer** window appears.

2. In the left panel under **Other Places**, click **Shared Documents**.

   The **Shared Documents** window appears.

3. In the right panel, click **Shared Video**.

   The **Shared Video** window appears.

Playing Videos

After placing your videos in the My Videos or Shared Video folders, you can play them from the My Videos window.

To play videos

1. Point the remote control at the remote sensor, and press the **MY VIDEOS** button.

   The **Shared Video** or **My Videos** window appears.

2. Select **My Videos** or **Shared Video** to view the contents of your video libraries. You can browse the contents of your video libraries by file name or creation date.

3. When you locate the desired video file, select the file, and then press **OK** to begin playback.

About DVgate Plus Software

The DVgate Plus software program enables you to import video from an external device or from recorded TV contents created with Media Center's My TV feature. You can edit the video and export it into specific folders to play back with My Videos.

The DVgate Plus software program also enables you to import recorded TV programs from Media Center, make edits, and export them back to Media Center.

For details on how to connect your digital video camera to your computer, refer to the documentation supplied with your camera or see the online VAIO® Computer User Guide.

Accessing DVgate Plus software Help

The information provided in this section is intended to highlight a few features of the DVgate Plus software program. For details on using this software, see the software program's Help.

1. Click **Start** on the Windows® taskbar, and point to **All Programs**.

2. Point to **DVgate Plus,** and then click **DVgate Plus Help**.

Capturing digital video from a connected digital video device

1. Click **Start** on the Windows® taskbar, and point to **All Programs**.
2. Point to **DVgate Plus,** and then click **DVgate Plus**.
3. Click **Cancel** to close the **Mode Select Guide**.
4. Confirm that the **Capture** mode is active. If you are in **Output Mode**, click **Go to Capture Mode**.
5. Click **DV**.
6. Select the **Auto Capture** tab.
7. Review the tape's contents using **Review Tape** and **Control external device**.
8. Select a format for the files in the **Capture Settings** window.

   To display **Capture Settings**, click the **Settings** menu and select **Capture**.
9. Click **Capture**.

   To change the file destination folder, click **Browse** and locate the desired destination folder.
10. Type a working file name. By default, DVgate Plus software automatically adds a 3-digit number to your file name.
11. Click **OK**.
12. Video capture begins and progress is displayed in the **DV - Auto Capturing** window.
13. When the capture is finished, view the results in the **Auto Capture Results** window.
14. Confirm the displayed contents, and click **OK**.
15. To save the Scene List, click **Save**.
16. Type in the final file name and click **Save**.

If you want to see your captured video using Media Center, move the files into the My Videos or the Shared Video folders.

Transcoding/editing video content

1. After starting the DVgate Plus software program, click **Cancel** to close the **Mode Select Guide**.
2. Confirm that the **Output** mode is active. If you are in **Capture Mode**, click **Go to Output Mode**.
3. Click **HDD** in the section, **Output to**.
4. From the **Clip List**, select the clips you want to edit.
   - Select multiple clips by holding down the Ctrl key and clicking on the desired clips.
   - Rearrange clip order by dragging the clip to the desired location in the Clip List.
   - To select consecutive clips:
     1. Click the desired first clip.
     2. Hold the Shift key while clicking the last clip in the sequence. All clips in the sequence are selected.
5. From the **Output to** section, click **File Output Settings**.
6. Choose your settings in the **File Output Settings** window. For more details on these settings, see the DVgate Plus software Help.
7. Click **OK**.
8. Click **Output**.
9. When the **Confirm File Output Settings** dialogue appears, click **OK**.

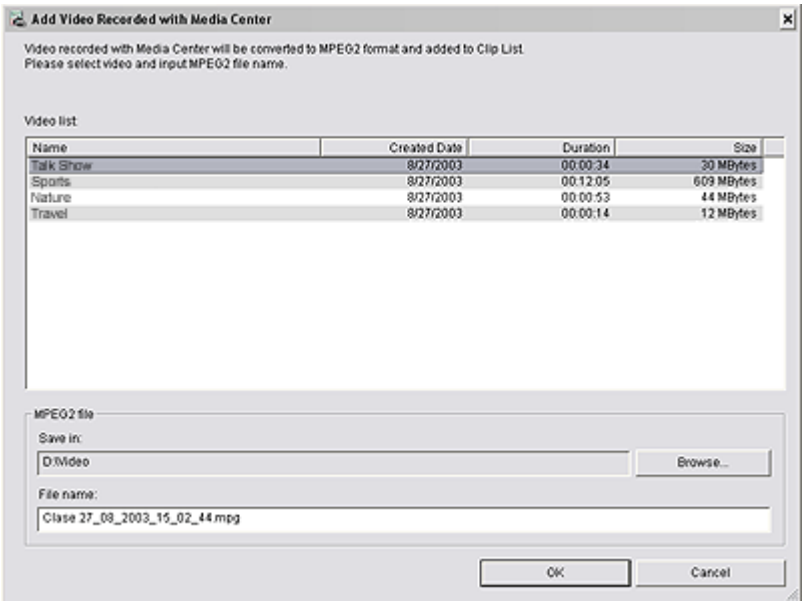
Editing recorded TV programs

You can edit your recorded TV programs with DVgate Plus software. The software's editing features enable you to change clip order, insert still images, and combine different video files. See the DVgate Plus software Help for more information.

1. After starting DVgate Plus software, click **Cancel** to close the **Mode Select Guide**.
2. Confirm that the **Output** mode is active. If you are in **Capture Mode**, click **Go to Output Mode**.
3. From the **File** menu, click **Add Video Recorded with Media Center**.

   The **Add Video Recorded with Media Center** window appears.

Add Video Recorded with Media Center



4. Click to select a video in the **Video list**, and then click **OK**.

The DVgate Plus software converts the video file to MPEG-2 format and adds it to the **Clip list**, ready for editing.

To change the recording format

If the recording format is set to PAL, the **Add Video Recorded with Media Center** feature is not available.

To change recording formats:

1. Point the remote control at the remote sensor, and press the **Start** button.

   The **Media Center Start** menu appears.

2. Use the arrow buttons on the remote control to select **Settings**. Press **OK**.

   The **Settings** window appears.

3. From the **Settings** window, select **Switch Video Format (NTSC/PAL)**.

4. When the DVgate Plus software dialog box appears, click **Yes**.

   The **Video Format Settings** window appears.

5. Click to select the option for **NTSC**.

Selecting a Format for Saving Video Files

When you select a format from the File Output Settings window, each setting is preset to a recommended value.

Format	Description
DV CODEC AVI 1.0 (.avi)	Uses the same compression method as a digital video device. The exported file size limit is 2 GB.
DV CODEC AVI 2.0 (.avi)	Uses the same compression method as a digital video device. The exported file size is more than 2 GB.
MPEG1 (.mpg)	Uses a file compression method that is compatible with Video CD. Files are relatively small.
MPEG2 (.mpg)	Uses a file compression method that is compatible with DVD. The image quality is higher and file size is larger than MPEG1, but smaller than DV CODEC AVI 1.0/2.0.
MICROMV (.mmv)	Uses the same compression method as a MICROMV device.
Click to DVD Project File (.ctd)	Used for video content that is edited by DVgate Plus software, for use with Click to DVD software. Each clip can be used as a chapter on a DVD.

Media Center — My Pictures

Your VAIO® Media Center computer enables you to showcase your favorite digital pictures in an animated slide show with music. You can also display your pictures on your TV or share them across your home network. The Media Center remote control makes your digital memories available with the click of a button[1].

- About My Pictures
- Viewing Pictures with Media Center
- About PictureGear Studio Software

[1] This feature is available on VAIO Digital Studio® computers that have the Microsoft® Windows® XP Media Center operating system installed. See your online specifications sheet for more information about your computer's configuration.

About My Pictures

My Pictures displays your digital image files individually or as a slide show. You can use digital image files from many sources, such as a digital camera, a scanner, or from a CD or other storage media.

My Pictures enables you to view and share your digital pictures as follows:

- You can view individual pictures or arrange a set of pictures as a slide show.
- You can change the picture order in the slide show and adjust the transition time.
- You can sort your pictures by file name or date.
- You can use the remote control to view or scroll through the pictures that are stored in the My Pictures or Shared Pictures folders. You can also use your keyboard and mouse to view your pictures.

Each Windows® user account has a My Pictures folder that is available only when that user is logged on to the computer. Image files can be shared by storing them in the Shared Pictures folder.

Using the remote control

You can open the My Pictures window by pressing My Pictures on the remote control or by selecting My Pictures from the Media Center Start menu, using the supplied remote control, keyboard, or mouse. You can perform many actions with the remote control by pressing a single button.

✍ The remote control must be used within 26 feet (8 meters) of the front of remote sensor unit.

About supported images

My Pictures can only display image files that are in a supported format. Image formats that are not supported do not appear in a slide show even if the folder or file icons are visible in Media Center.

My Pictures can support these file formats:

File Extension	File Type
.jpg, .jpeg	Joint Photographic Experts Group
.tif, .tiff	Tagged Image File Format
.gif	Graphics Interchange Format
.bmp	Bitmap
.wmf	Windows MetaFile
.png	Portable Network Graphics

Organizing your pictures

Media Center displays your pictures from these folders:

- Picture files stored in the My Pictures folder are displayed in the My Pictures window.
- Picture files stored in the Shared Pictures folder are displayed in the Shared Pictures window and shared on your network.

Picture files can be shared among all Windows user accounts by storing them in the Shared Pictures folder.

Organize your pictures in the My Pictures and the Shared Pictures folder before using Media Center to display them.

To open the My Pictures folder

1. Click **Start** on the Windows® taskbar, and then click **My Pictures**.

   The **My Pictures** window appears, displaying picture files in the right panel.

2. You can add, delete, rename, and organize your pictures into individual folders within the **My Pictures** folder. The individual folders can be viewed as a slide show.

To open the Shared Pictures folder

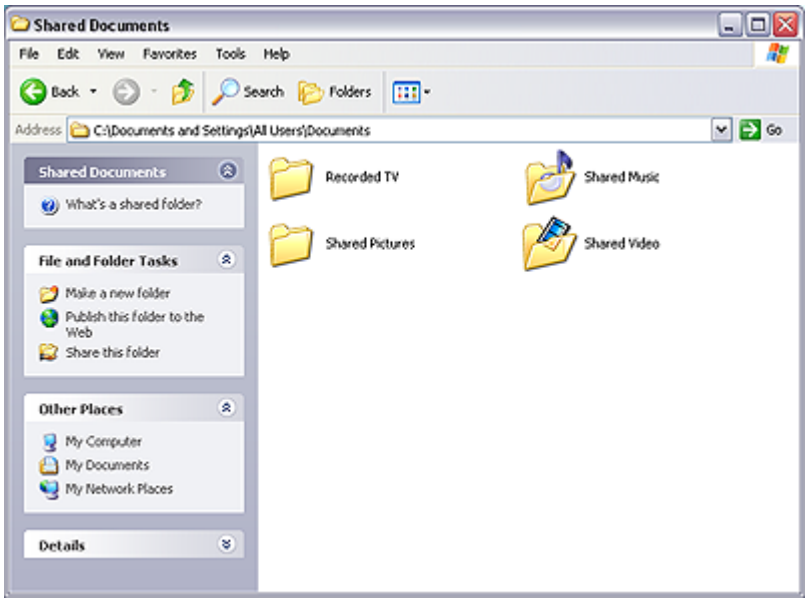
1. From the **Start** menu, click **My Computer**.

   The **My Computer** window appears.

2. Under **Files Stored on This Computer**, click **Shared Documents**.

   The **Shared Documents** window appears.

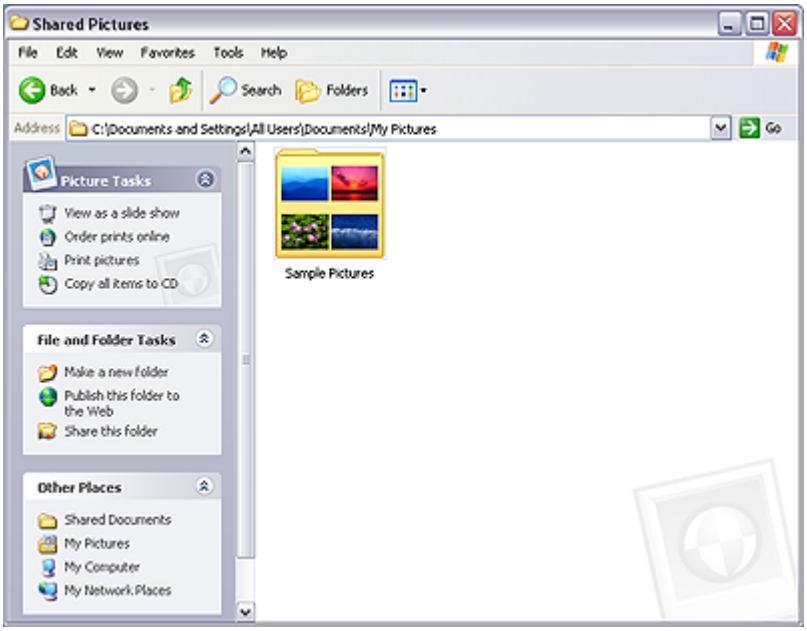
Shared Documents



3. In the right panel, click **Shared Pictures**.

   The **Shared Pictures** window appears.

Shared Pictures



4. You can add, delete, rename, and organize your pictures into individual folders within the **Shared Pictures** folder. The individual folders can be viewed as a slide show.

To sort your pictures

You can rearrange your pictures by name or by date, after placing them in the **My Pictures** folder.

1. Point the remote control at the remote sensor, and press **My Pictures**.

   The **My Pictures** window appears.

2. Select one of the options, **Sort by date** or **Sort by name**. Click **OK**.

Viewing Pictures with Media Center

After organizing your pictures in the **My Pictures** or **Shared Pictures** folders, you can use Media Center to display them.

1. Point the remote control at the remote sensor and press the **My Pictures** button.

   The **My Pictures** window appears, displaying your pictures as thumbnails and folder icons.

Media Center — My Pictures

2. Press the arrow buttons on the remote control to select a folder and to move through the contents to locate a picture. Press **OK** to display the picture.

   The selected picture opens in full screen mode. You can press **OK** again to enlarge the picture's view.

   ✍ You can use the mouse to select the directional arrows at the bottom of the Media Center window to scroll through your picture files and folders.

About slide shows

If you have not selected specific pictures for your slide show, Media Center plays the first folder listed in My Pictures. If you have pictures that are not stored in individual folders, Media Center plays these files in the slide show

To play a slide show manually

1. Point the remote control at the remote sensor and press the **My Pictures** button.

   The **My Pictures** window appears.

2. Press the arrow buttons on the remote control to advance the slide show pictures.

To play a slide show automatically

1. Point the remote control at the remote sensor and press the **My Pictures** button.

   The **My Pictures** window appears.

2. Press the arrow buttons to select **Play slide show**.

To add music to a slide show

You can start music from your stored music library to play during your slide show.

1. Point the remote control at the remote sensor and press the **MY MUSIC** button.

   The **MY MUSIC** window appears.

2. Press the arrow buttons on the remote control to locate and select a song from your music playlists. Press **OK** to play the selected song.

   ✍ If the song does not begin playing, press **Play** on the remote control.

3. Press the **Start** button on the remote control to return to the Media Center Start menu.

4. Select **My Pictures**, and then select the folders of pictures for your slide show. Press **OK**.

5. Select **Play slide show**. Press **OK**.

   Media Center plays the slide show in full screen mode with the selected music playing in the background.

Changing picture and slide show settings

Each user account can set their own picture and slide show settings. These settings control how long a picture displays and the picture display order.

1. Point the remote control at the remote sensor and press the **Start** button.

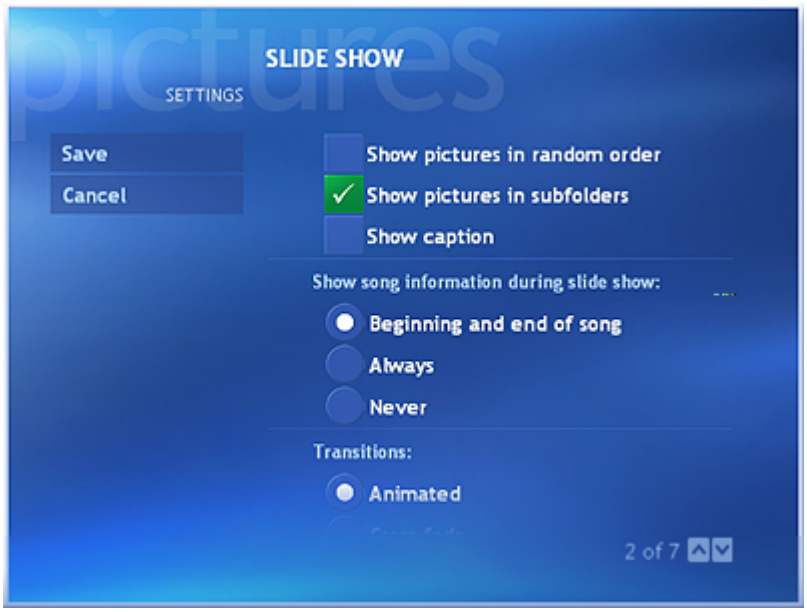
   The **Media Center Start** menu appears.

2. Use the arrow buttons on the remote control to select **Settings**. Press **OK**.

   The **Settings** window appears.

3. Select **Pictures**. Press **OK**.

Media Center — Settings



4. Press the arrow buttons on the remote control to select a setting.

   - Slide show display
   - Music information
   - Length of transition
   - Type of transition
   - Background shade

5. Press the arrow buttons to select **Save** in the **Settings** window.

6. Press **OK** on the remote control to accept these settings and return to the **Settings** window.

About PictureGear Studio Software

PictureGear Studio software has easy-to-use features that enable you to quickly import image files from a digital camera or camcorder, print high-quality photos, create custom labels, and design personalized photo albums or binders to share with family and friends.

Your imported image files can be viewed with Media Center, as individual pictures or in a slide show. You can also share your pictures, using VAIO Media software, with the other computers on your home network.

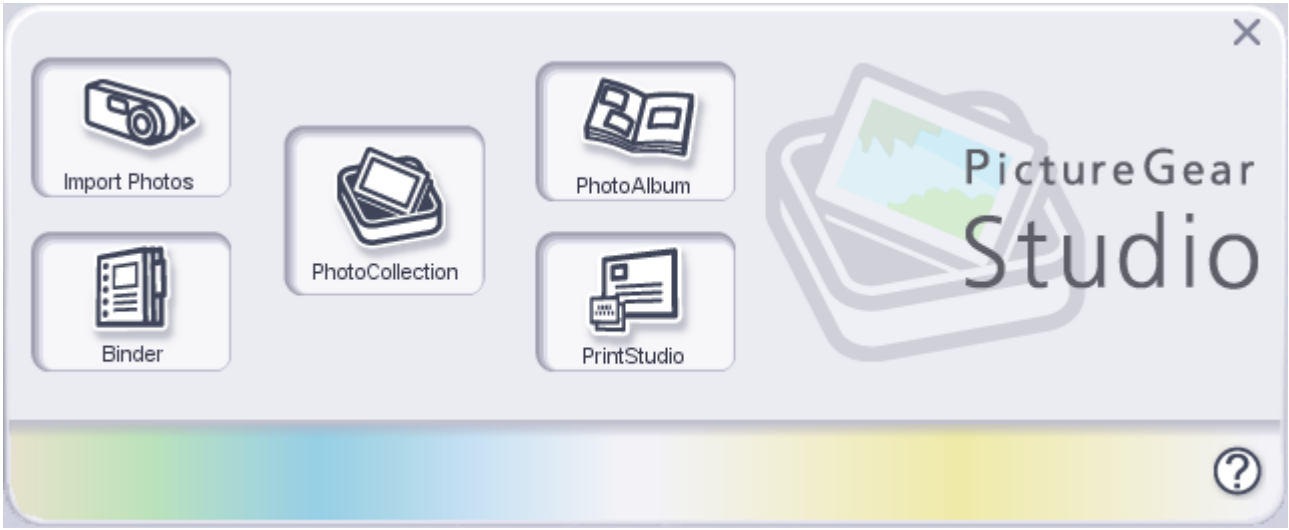
Your personalized photo albums, binders, and other customized picture creations can only be viewed or edited with PictureGear Studio software.

Starting PictureGear Studio software

1. Click **Start** on the Windows® taskbar and point to **All Programs**.
2. Point to **PictureGear Studio** and click **PictureGear Studio**.

   The **PictureGear Studio** main window appears.

PictureGear Studio Software — Main Menu

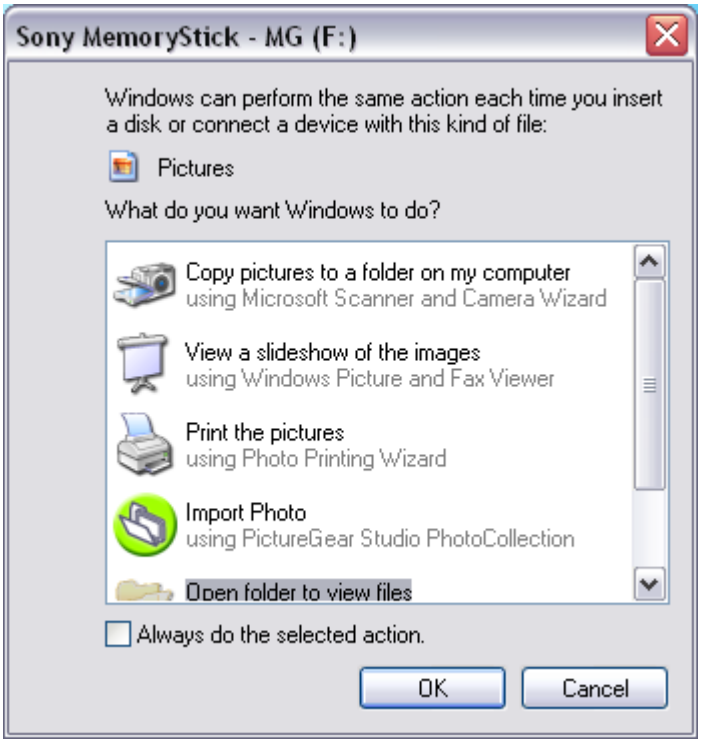


Importing images

Capture pictures with a digital camera or camcorder and import them to your computer by using an i.LINK cable, USB cable, or storage device, such as Memory Stick® media. Place the images in folders for viewing with the Media Center.

When you first connect your digital camera, camcorder, or insert a Memory Stick® media, the Windows® XP operating system may attempt to recognize the device or media. An identification window appears, prompting you to select a specific action for the occurrence, or to set as a default response for future occurrences.

Windows XP (identification window)


Sony MemoryStick - MG (F:)
Windows can perform the same action each time you insert a disk or connect a device with this kind of file:
Pictures
What do you want Windows to do?
Copy pictures to a folder on my computer using Microsoft Scanner and Camera Wizard
View a slideshow of the images using Windows Picture and Fax Viewer
Print the pictures using Photo Printing Wizard
Import Photo using PictureGear Studio PhotoCollection
Open folder to view files
Always do the selected action.
OK
Cancel

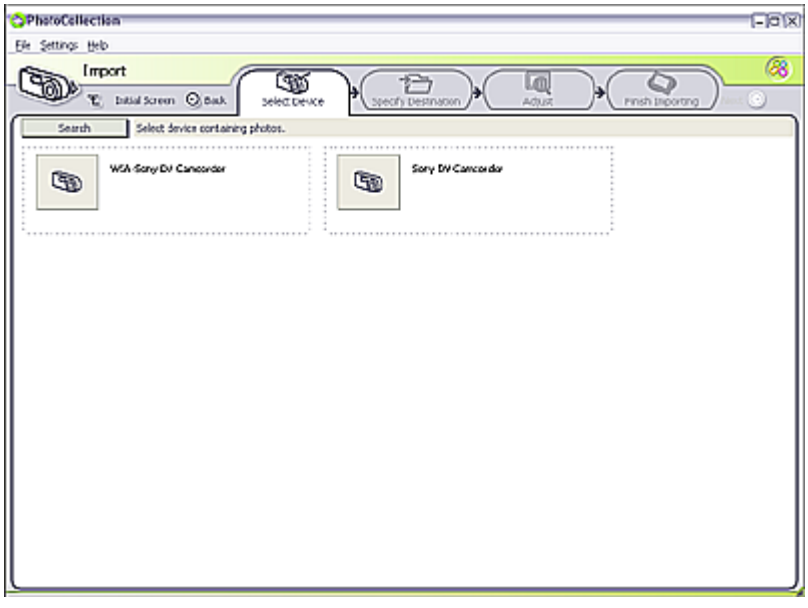
To continue using PictureGear Studio software without selecting an action, you can close this window using one of the following methods:

- Click **Cancel** to close the window.
- Select **Take no action** (you may need to scroll), and then click **OK**. The window closes.

To import photos

1. Use a USB or i.LINK cable to connect a digital camera or camcorder to your computer, or remove your Memory Stick® media from the camera and insert into the Memory Stick media slot.
2. Click **Import Photos**. Your connected digital camera, camcorder, or Memory Stick® media is displayed in the **Select Device** window.

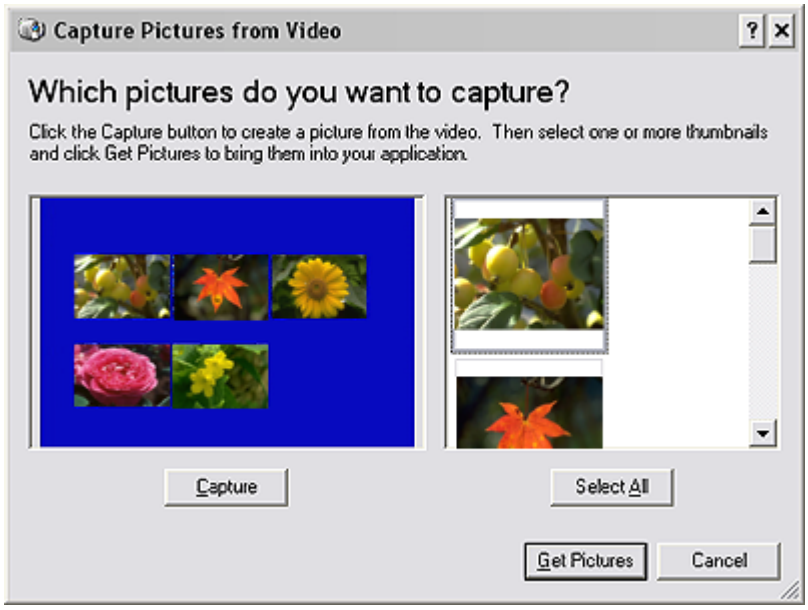
PictureGear Studio Software — Select Device



3. Select an import category and type in a name for the new category. Click **Start Importing**.

   The **Capture Pictures from Video** window appears.

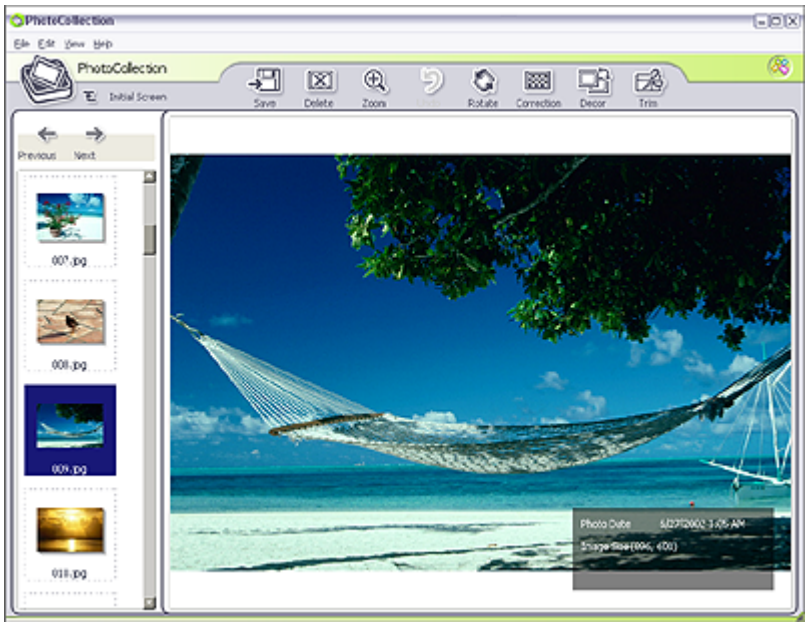
Capture Pictures from Video


Capture Pictures from Video
Which pictures do you want to capture?
Click the Capture button to create a picture from the video. Then select one or more thumbnails and click Get Pictures to bring them into your application.
Capture
Select All
Get Pictures
Cancel

4. Click **Capture** to select specific pictures, or click **Select All** to capture all pictures on the device or media.

5. Click **Get Pictures**. An editing window is displayed.

Editing pictures



   The editing window displays an enlarged version of the selected picture on the right and thumbnail versions on the left.

6. Use the following buttons to adjust your picture.

   - **Save —** Move the picture to a new folder.
   - **Delete** — Remove the picture from the photo collection.
   - **Rotate** — Change the picture's position.
   - **Trim** — Crop the picture or capture a specific area.

   To undo your adjustments, click **Undo**.

7. Click **Finish Importing** to save the imported pictures in the **My Pictures** folder in Windows® Internet Explorer.

Accessing PictureGear Studio software Help

For detailed information about using PictureGear Studio software, see the software Help.

1. Click **Start** on the Windows® taskbar and point to **All Programs**.
2. Point to **PictureGear Studio,** and click **PictureGear Studio**.

   The **PictureGear Studio** main window appears.
3. Click the question mark icon in the lower right corner of the window. The **PictureGear Studio Help** appears.

Media Center — My TV

You can use Media Center to watch TV, using the remote control to play, pause, fast forward, or rewind your TV program. The convenient Program Guide provides current TV program listings, enabling you to browse for your favorite shows. My TV is a feature that offers full control over your TV viewing, TV program recording, and system settings[1].

- About My TV
- Changing the View Window
- Watching Live TV
- About the TV Program Guide
- Recording TV Programs

[1] This feature is available on VAIO Digital Studio® computers that have the Microsoft® Windows® XP Media Center operating system installed. See your online specifications sheet for more information about your computer's configuration.

About My TV

My TV enables you to watch, play, and record your favorite TV programs. Use the remote control to pause, play, rewind, fast forward, stop, or record live TV.

When you watch live TV programming, Media Center continuously captures 30 minute increments of the program. This enables you to use the rewind, replay, and fast forward features. The TV programming buffer that is captured while you watch live TV is not saved or stored on your computer's hard disk drive.

From the My TV window, you can perform many tasks, such as:

- Download current TV program guide listings from the Internet[1].
- Record a single TV program or a program series.
- Watch TV programs on a full screen or inset window.
- Search your local TV guide by category, title, or keyword.
- Set your TV viewing or recording preferences.

[1] An Internet connection is required to download and update the TV program guide.

Setting up your computer for My TV

Your VAIO® computer, TV monitor or display, and TV signal access, must be properly connected before you can watch or record TV programs.

- Set up your computer and equipment according to the type of cable or TV service available in your home. For more information, see Setting Up TV Connections.
- Make sure you have completed the Media Center setup wizard. For more information, see Starting the Media Center Setup Wizard.

Using the remote control to view TV programs

You can open the My TV window by pressing My TV on the remote control or by selecting My TV from the Media Center Start menu, using the supplied remote control, keyboard, or mouse. You can perform many actions with the remote control, by pressing a single button.

✍ The remote control must be used within 26 feet (8 meters) of the front of remote sensor unit.

Use the remote control to view live TV programs using the play, pause, rewind, fast forward, and record functions. See the following list of commands for quick reference.

Remote Control Button	TV Action
GUIDE	Displays the program guide listing.
MORE INFO	Displays information about a TV program.
LIVE TV	Goes to live TV programming.
ENTER	Returns to the previously viewed channel.
REC	Starts recording TV program.
PLAY	Plays TV or resumes TV after it has been paused or stopped.
STOP	Stops live TV or stops TV recording.
REW (Rewind)	Reverses the TV program.
FF (Fast Forward)	Advances the TV program.
PAUSE	Pauses TV (Press again to resume the TV program).
REPLAY	Returns to the previous seven seconds of the TV program buffer or TV recording.
SKIP	Advances 29 seconds forward into the TV program recording buffer.

Changing the View Window

You can change the way TV programming is displayed on your TV or monitor, using the remote control.

To view TV programs in an inset window

Click on the remote control while the TV program is playing.

To view TV programs in full-screen mode

To watch TV in full-screen mode, press the **LIVE TV** button on the remote control. To return to the previous view mode, press the **BACK** button.

To maximize the view mode

1. Move the pointer over the current view to display the **Maximize** icon .
2. Click the **Maximize** icon.

   The current view increases to fill the entire screen.

To decrease the view mode

1. Move the pointer over the current view to display the **Restore Down** icon .
2. Click the **Restore Down** icon.

   The current view decreases in size.

Watching Live TV

Open My TV with one of the following methods:

- Press the **My TV** button on the remote control, or press and select **My TV**.
- Click the **My TV** button on the keyboard.

The **My TV** window appears, displaying a TV program in the view window.

My TV window

Changing Channels

You can change the channel by:

- Pressing the **CHAN/PAGE + /-** button on the remote control.
- Pressing the numeric (**0-9**) and ENTER buttons on the remote control.

Time shift feature

About the time shift feature

When you watch a live TV program and pause the program, the time shift window appears. As you watch live TV programming, Media Center is continuously capturing 30 minute increments of the program into a buffer. This enables you to use the rewind, replay, and fast forward features. When you change channels, Media Center deletes the current TV programming buffer and begins recording again after a short delay. The TV programming buffer that is captured while you watch live TV is not saved or stored on your computer's hard disk drive.

About the TV Program Guide

Download a list of current television programs and channels from your television service provider. You can set Media Center to automatically update the program guide, or manually update when you are connected to the Internet.

The program guide displays:

- Channel and Network information
- TV program title
- Scheduled time blocks of TV programming

You can manually update the TV program guide in the Settings window. The number of TV programming days displayed in the guide decreases if the guide is not updated. The program guide does not display past listings.

Viewing the TV program guide

1. Press the **GUIDE** button on your remote control, or from the Media Center **Start** window, select **My TV**, and then select **Guide**.

Guide

2. With the remote control, use the Up and Down arrows to scroll through the TV programs available on each channel. Press the Left and Right arrows to scroll across and view all of the available TV program listings in a time slot.

   You can also use the mouse to click the up and down arrow buttons located below the program listings and scroll through the program listings.

3. Press the Up, Down, Left, or Right Arrow buttons to select a TV program, and then press **OK**.

   The selected program appears.

Setting TV program guide preferences

1. Press the **My TV** button on your remote control, or from the Media Center **Start** window, and then select **My TV**.

   The **My TV** window appears.

2. Select **Settings**, and then select **Guide**.

   The **Guide** settings window appears.

From the Guide window, you can select **Get Guide data** to update your TV program guide, or you can select other guide preferences.

To search for a specific TV program

You can search for a specific TV program by title, category, or keyword.

1. Open **My TV** with one of the following methods:

   - Press the **My TV** button on the remote control, or press and select **My TV**.
   - Click the **My TV** button on the keyboard.

   The **My TV** window appears, displaying a TV program in the view window.

2. From the **My TV** window, select **Search**.

   The **Search** window appears.

Search window

3. Select **Categories**, **Title**, or **Keyword**.

   - **Categories** — To search by category, select one of the available categories displayed in the window, until you locate the type of TV program you want to watch. Use the arrow buttons to scroll through the search results. Press **OK** to select a TV program.
   - **Title** — Type the title of the TV program in the text box, or use the numeric buttons on the remote control to enter information.
   - **Keyword** — Type a keyword in the text box, or use the numeric buttons on the remote control to enter information.

Recording TV Programs

The My TV feature enables you to record individual TV programs or a recurring series of programs. You can also set up future recording sessions. Store the recorded TV programs on your hard disk drive, organize them with Media Center, or burn them to a DVD media, using Click to DVD software. For more information on copying recorded TV programs to DVD, see Media Center — Create DVD.

Using My TV, you can:

- Record a live TV program while you watch.
- Schedule recording of a future TV program.
- Record a recurring series of TV programs.

Recording and watching a TV program

You can record the live TV program you are watching and save it for future viewing. Media Center records a TV program until it is scheduled to be over, as listed in the guide.

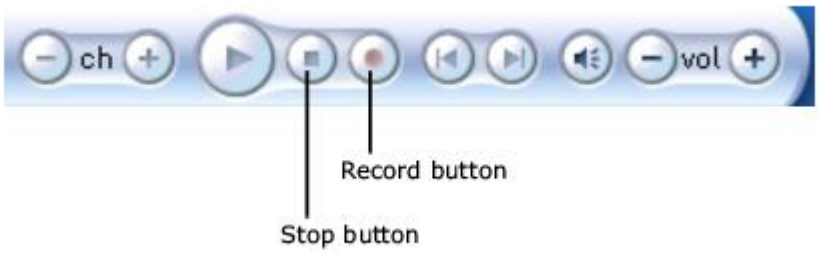
Do not change the channel while watching or recording a TV program to avoid interrupting the recording process.

To record a TV program

You can begin recording with one of these methods:

- Press the **REC** button on your remote control.
- Use the mouse to click the **Record** button on the media playback toolbar.

Media playback toolbar



To check the recording session

- The **Record** icon appears on the Taskbar Notification area. Move the pointer over the icon to display the title of the TV program that is being recorded.
- Press the **GUIDE** button on your remote control. The **GUIDE** window displays the **Record** icon next to the title of the program being recorded.

The Record icon disappears when the recording is complete.

To stop or interrupt the TV recording session

- Press the **Stop** button on the remote control.
- Use the mouse to click the **Stop** button on the media playback toolbar.
- Right-click the Record icon on the Taskbar Notification area, and select **Stop Current Recording**.

Scheduling a TV recording (single or series)

Your computer must be on, in Stand by, or in Hibernate mode to enable a scheduled TV recording. If the Media Center program is running, it does not permit your computer to automatically enter Stand by mode.

You can press the **STANDBY** button on the remote control if you wish to place your computer directly into Stand by mode.

If a recording conflict occurs, Media Center looks for alternative times to record a TV program or an episode in a series. Recording a TV program series enables you to record each episode of that program from any available channel that is scheduled to broadcast it. Media Center does not record duplicate episodes.

A scheduled recording continues, even if you close the Media Center software program.

To record a single TV program

1. Open the **GUIDE** window, by pressing **GUIDE** on your remote control or by selecting **My TV** from the Media Center **Start** window, and then selecting **GUIDE**.
2. Press the Right Arrow button to view the programs that are scheduled for broadcast at a later date or time.
3. Press the Up, Down, and Left Arrow buttons to locate and select the TV program you want to record.
4. Press **REC** on the remote control.

   The Record button appears next to the program title.

Recording Program

To record a TV program series

1. Open the **GUIDE** window, by pressing **GUIDE** on your remote control or by selecting **My TV** from the Media Center **Start** window, and then selecting **GUIDE**.
2. Press the Right Arrow button to view the programs that are scheduled for broadcast at a later date or time.
3. Press the Up, Down, and Left Arrow buttons to locate and select the TV program you want to record.

4. Press **OK**.

   The **PROGRAM INFO** window appears.

Program Info

5. Select **Record series**.

   The **GUIDE** window reappears, with a Record series icon next to the title of the TV program series you want to record.

Recording program series

Additional information about recording TV programs

You can use the REC button on your remote control to begin recording a TV program series.

- When you locate a TV program to record as a series, press the **REC** button twice. The scheduled recordings are set up for all episodes of the TV program.
- To cancel the recording of a TV program series, locate the next episode and press the REC button three times. The scheduled recordings are cancelled for all pending episodes of the TV program.

Setting recording preferences

You can set up the recording preferences for programs that are broadcast at a later date or time.

To set recording preferences

1. Open the **GUIDE** window, by pressing **GUIDE** on your remote control or by selecting **My TV** from the Media Center **Start** window, and then selecting **GUIDE**.
2. Press the Right Arrow button to view the programs that are scheduled for broadcast at a later date or time.
3. Press the Up, Down, and Left Arrow buttons to locate and select the TV program you want to record.
4. Press **OK**.

   The **PROGRAM INFO** window appears.
5. Select **Advanced record**.

   The **RECORD SETTINGS** window appears.

Record Settings

6. Select your preferences for recording features, such as recording limits or frequency.
7. Select **Record**.

If your settings create a recording conflict, Media Center displays a message and enables you to select which program to record.

Recorded TV

Your recorded TV programs are saved to your hard disk drive and displayed in the **Recorded TV** window. When you select **My TV**, your recently recorded programs are automatically displayed under the live TV window. You can click a recorded title and play the program, delete it, record the series, and more.

From the **Recorded TV** window, you can:

- View all of the recently recorded TV programs.
- Search for a recorded TV program by date, name, or category.
- Record a TV program.
- View pending TV program recordings.
- Delete a recorded TV program.

Recorded TV

Media Center — My Music

This Media Center feature enables you to enjoy and manage your digital music files. Use the Media Center remote control to browse your music playlists by artist, album, song, or music genre[1].

- About My Music
- Using My Music
- About SonicStage Software
- Selecting Compatible CD Media

[1] This feature is available on VAIO Digital Studio® computers that have the Microsoft® Windows® XP Media Center operating system installed. See your online specifications sheet for more information about your computer's configuration.

About My Music

My Music is compatible with SonicStage and Windows® Media Player software programs. Use SonicStage software to record songs from CDs in ATRAC3 format, and to create your own music playlists for viewing or playback with Media Center.

From the My Music window, you can perform many tasks, such as:

- Playing audio CDs.
- Playing digital music files from playlists created with SonicStage or Windows Media Player software.
- Searching your music files and playlists by specific category.
- Viewing music CD details using your Internet connection.

Using the remote control

You can open the My Music window by pressing My Music on the remote control or by selecting My Music from the Media Center Start menu, using the supplied remote control, keyboard, or mouse. You can perform many actions with the remote control, by pressing a single button.

✍ The remote control must be used within 26 feet (8 meters) of the front of remote sensor unit.

Using My Music

My Music plays your audio CDs and enables you to browse and play all of your recorded music. Create your music playlists with SonicStage or Windows® Media Player software programs, and then play your favorite music with My Music.

Viewing your albums

1. Open My Music with one of the following methods:

   - Press the **MY MUSIC** button on the remote control, or press and select **My Music**.
   - Press the **My Music** button on the keyboard.

   The **MY MUSIC** window appears.

2. Select **Albums**, and then press **OK**.

   The playlists recorded with SonicStage software appear as albums on the **ALBUMS** window.

The playlists recorded with SonicStage software may not be immediately visible on the ALBUMS window. If this occurs, wait a few moments for the playlists to appear.

Organizing playlists for Media Center

1. Open the Windows Media Player software program by clicking (shortcut) on your desktop.

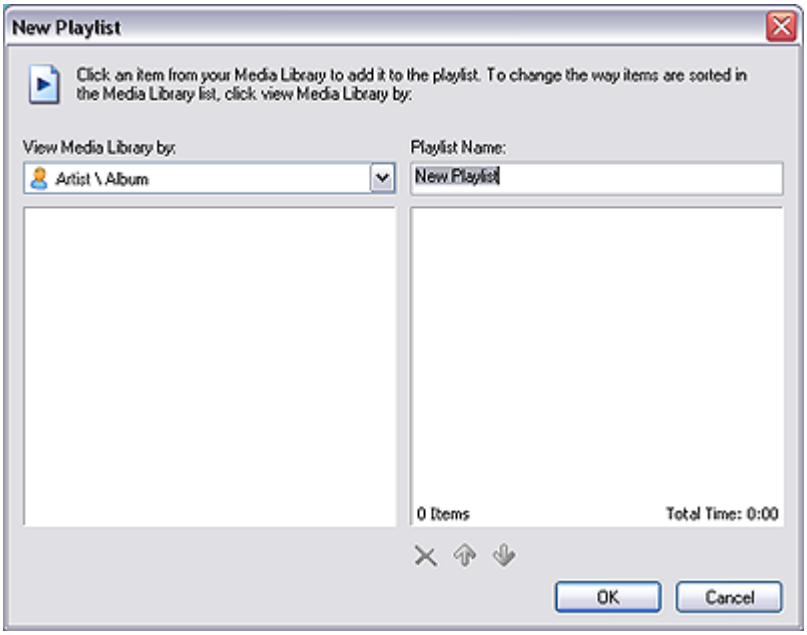
   The **Windows Media Player** window appears.

2. Click **Media Library**.

3. In the **Now Playing** frame, right-click **My Playlists**, and select **New** from the drop-down menu.

   The **New Playlist** window appears.

New Playlist


New Playlist
Click an item from your Media Library to add it to the playlist. To change the way items are sorted in the Media Library list, click view Media Library by:
View Media Library by:
Artist \ Album
Playlist Name:
New Playlist
0 Items
Total Time: 0:00
OK
Cancel

4. In the **View Media Library by** drop-down list, select a category in which to view your music files.

5. In the **Playlist Name** text box, type a playlist name.

6. To add a music file to the new playlist, right-click the file, and then select **Add to Playlist**.

   The selected music file appears in the right panel as an item on the playlist.

7. When you are finished selecting music files, click **OK**, and then close the Windows Media Player software program.

8. To view the newly created playlist, press **My Music** on the remote control.

9. From the **My Music** window, select **Playlists**, and then press **OK** on the remote control.

   The new playlists created with Windows® Media Player software appear.

When using Windows® Media Player software for the first time, a setup wizard appears. Follow the instructions on the screen to set up the software program.

About SonicStage Software

SonicStage software is a digital music management system in which you can play music on your computer, create custom audio CDs[1] and much more:

- **Play and record music from audio CDs** — Play your audio CDs and record audio tracks to your computer. Combine music tracks into playlists and check them out to portable music devices.
- **Create custom audio CDs** — Create custom audio CDs from SonicStage playlists, mixing tracks from different sources and artists.
- **Make backup copies of your audio CDs** — Use SonicStage software's Backing Up Audio CDs utility to create backup copies of your audio CDs.
- **Use playlists to organize and manage your music** — Organize your music with SonicStage software's playlist feature. Create lists of songs sorted by artist or genre.
- **Download music from Sony® Connect music download service on the Internet** — Use the Sony Connect music download service to download music tracks from the Internet. You can include them in your playlists and check them out to your portable, digital music devices.
- **Import audio files onto your computer** — Import MP3 and WAV audio files into SonicStage software to add to playlists or record to a CD.

To access SonicStage software Help

You can open the SonicStage software Help when the software program is running, by clicking the Help icon in the upper right corner of the main window.

To locate the software Help:

1. Click **Start** in the Windows taskbar, and point to **All Programs**.
2. Point to **SonicStage**, and then click **SonicStage Help**.

   The **SonicStage Help** appears.

[1] Unauthorized duplication of audio files is a violation of applicable laws.

Starting SonicStage software

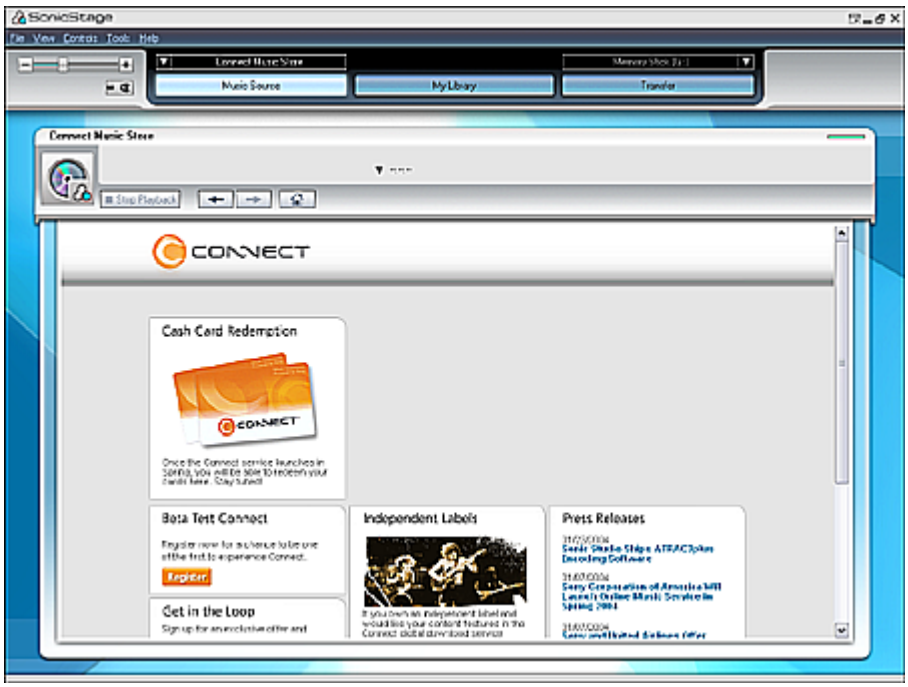
Use SonicStage software to copy music from CDs or other sources, into a music playlist that can be played with My Music (Media Center).

To start SonicStage software

1. Click **Start** on the Windows® taskbar, and point to **All Programs**.
2. Point to **SonicStage**, and then click **SonicStage**.

   The main **SonicStage** window[1] appears.

SonicStage



[1] You may see a different SonicStage main window, if you are not connected to the Internet. For first time use, you may see other message windows. Please respond to the instructions on the screen.

Recording music (from a CD)

You can record an entire album or single tracks from audio CDs, using SonicStage software. You can play this music using the My Music feature in Media Center. For more information on how to record music from a CD, see the SonicStage software Help.

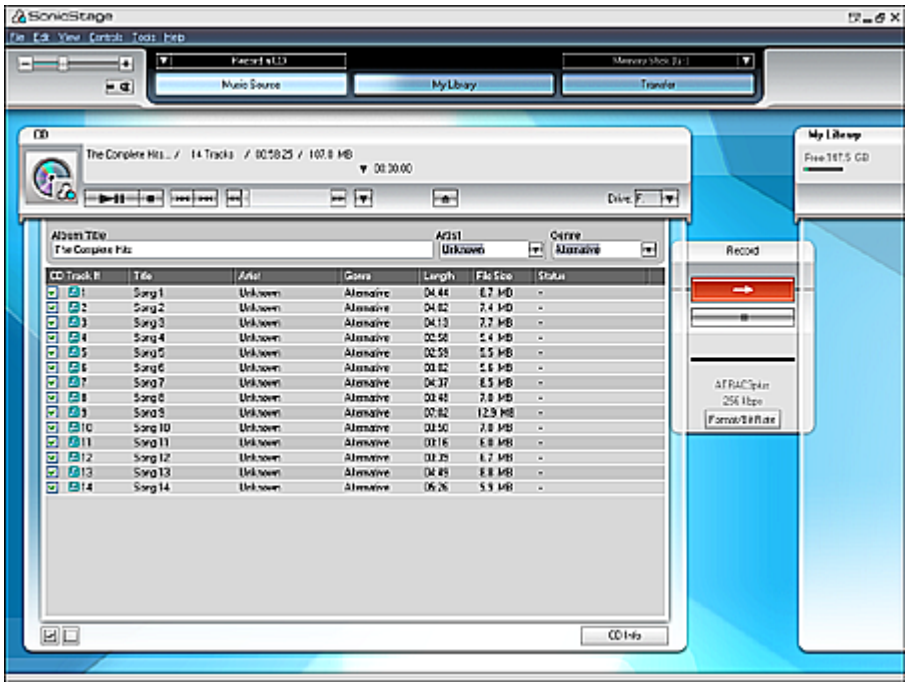
To record music from a CD to your computer's hard disk drive

1. Start the SonicStage software program.
2. Insert an audio CD into your computer's optical drive. If the **Audio CD** window appears, click **Cancel**.

   The **CD Drive Check** dialog box appears when you record an audio CD using your optical drive for the first time.
3. Click **Start** to check the drive, responding to any subsequent dialog boxes or message prompts.
4. From the main **SonicStage** window, click Connect Music Store.

   From the drop-down list, click **Record a CD**.
5. Click to clear the check box for any songs you do not want to record. A check mark next to the song indicates that it is selected for recording.

Record



6. If you are registered to use the Compact Disc Database (CDDB®) music recognition service, click **CD Info** in the lower-right corner of the **Record** window. CDDB opens and names your CD and its song titles.

   The Gracenote CDDB® music recognition service has a registration wizard that enables you to register with the CDDB service. Your computer requires Internet access to enable registration and use of this service. For more information regarding CDDB registration, click **Help**.
7. If you do not use the CDDB service, type an album and artist name in the **Album Title** and **Artist** text boxes[1].

   Use the **Genre** drop-down menu to select a music category.

   Type in the song title of an untitled track by right-clicking on the track and selecting **Rename** from the drop-down menu.
8. Click **Format/Bit Rate** to select a different recording format and bit rate.

   The **CD Recording Format [My Library]** dialog box appears.
9. Click **Record** . The selected songs on the CD are recorded to the computer's hard disk drive.

[1] For first-time use, you may need to type the information in the Album Title, Artist, and Genre text boxes.

Selecting Compatible CD Media

It is important to use the compatible CD[1] media with your DVD±RW drive, by selecting the correct type of blank recording media, understanding different disc formats, and identifying compatible playback equipment.

[1] CD media compatibility may vary by manufacturer. If you experience difficulty with recording or playback, try a different CD or a different brand.

Compatible CD media for music recording

- **CD-R —** CD Recordable media can be written to once and cannot be erased. CD-R media is appropriate for both music and data CD burning.
- **CD-RW —** CD Rewritable media can be written to, erased, and written to again. CD-RW media is appropriate for music and data CD burning.

Incompatible CDs

Do not use the following CD media for recording data or music:

- CD-ROM (compact disc read-only media)
- DVD-R for Authoring
- DVD-RAM
- DVD-ROM

Media Center — Create DVD

Your DVD±RW drive, combined with Click to DVD software, makes it easy to burn your own DVDs. After recording your favorite TV programs with Media Center, copy them to a DVD for your personal collection[1].

- Copying Recorded TV Programs to DVDs
- Selecting Appropriate DVD Media

[1] This feature is available on VAIO Digital Studio® computers that have the Microsoft® Windows® XP Media Center operating system installed. See your online specifications sheet for more information about your computer's configuration.

Copying Recorded TV Programs to DVDs

You can copy your recorded TV programs onto recordable DVD media. Turn your favorite TV program recordings into full-featured DVDs complete with multi-level menus and attractive, pre-built themes and music[1].

[1] See the Click to DVD software Help for more information about the software's features.

Copying a recorded TV program to DVD media

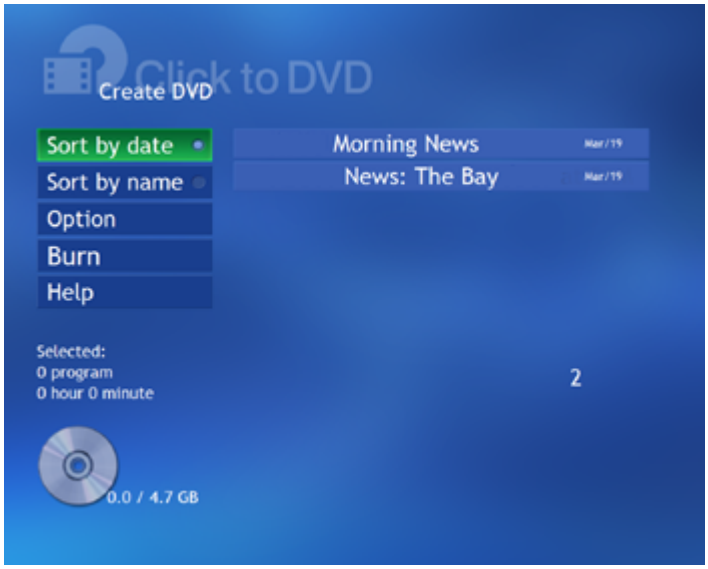
1. Point the remote control at the remote sensor, and press the **Start** button.

   The **Media Center Start** menu appears.

2. Use the arrow buttons on the remote control to select **Create DVD**. Press **OK**.

   The **Create DVD** window appears.

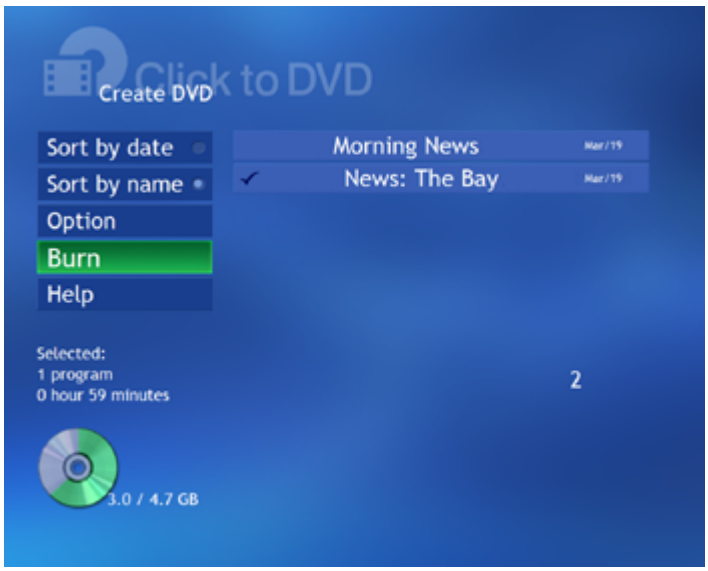
Media Center — Create DVD



3. Use the direction arrows to select a recorded program.

   A CD icon and text appears in the lower left of the window, indicating the size of the video file and the amount of CD space required for recording.

Creating a DVD



4. Select **Burn** and click **OK**.

   You are prompted to insert a recordable DVD media.

5. The status of the recording session displays at the bottom of the window. The DVD ejects when recording has completed.

Selecting Appropriate DVD Media

It is important that you use the appropriate DVD media with your computer's DVD±RW drive. Use care when selecting blank recording media. The general information provided can help you understand the different disc formats and limitations. Your computer's configuration may vary from the hardware configuration discussed in this section. See the online specifications sheet for details about your specific computer model.

About recordable DVD media

- **DVD-R for General —** DVD Recordable media for general use, also known as DVD-R(G), can be written to once and cannot be erased. You can use a DVD-RW or DVD±RW drives to write data to a DVD-R disc until the disc is full. You cannot erase or overwrite any existing data. DVD-R media is appropriate for both video and data DVD burning.

  ✍ DVD-R for general media is not the same as DVD-R for Authoring media. DVD-R for Authoring discs are a special media made for commercial DVD production and equipment.

- **DVD-RW —** DVD Rewritable media can be written to, erased, and written to again. You can use this media with a DVD-RW or DVD±RW drive, writing information to the same disc repeatedly. However, you must erase existing data on the disc before beginning a new recording session. DVD- RW media is appropriate for both video and data DVD burning.

- **DVD+R —** DVD+R Recordable media can be written to once and cannot be erased. You can use your DVD±RW drive to write data to a DVD+R disc until the disc is full. You cannot erase or overwrite any existing data. DVD+R media is appropriate for both video and data DVD burning.

- **DVD+RW —** DVD+RW Rewritable media can be written to, erased, and written to again. You can use this media with a DVD±RW drive, writing information to the same disc repeatedly. However, you must erase existing data on the disc before beginning a new recording session. DVD+RW media is appropriate for both video and data DVD burning.

Incompatible DVD media

For copying your recorded TV programs, do not use the following types of DVD media:

- DVD-R for Authoring
- DVD-RAM
- DVD-ROM

Media compatibility with different equipment varies between manufacturers. If you experience difficulty with recording data or playing a disc, try a different disc or a different brand of media.

Additional Information about DVD media and DVD burning

- Exit all other open software programs and disable screen savers.
- Cancel any scheduled timer recording sessions.
- Do not connect or disconnect cables or attach devices.
- Do not attempt to access the Internet or other network services.
- Do not start additional software programs.

Media Center — Settings

You can customize the Media Center settings for TV viewing, picture slide shows, and audio playback. You can make selections to enable closed captioning and set parental controls[1].

- About Configuring Media Center
- Changing General Settings
- Changing TV Recording Settings
- Changing TV Program Guide Settings
- Setting Parental Controls For TV Viewing
- Changing the Language For DVD Movies
- Selecting Closed Captioning

[1] These features are available on VAIO Digital Studio® computers that have the Microsoft® Windows® XP Media Center operating system installed. See your online specifications sheet for more information about your computer's configuration.

About Configuring Media Center

Microsoft® Windows® supports **Computer administrator** and **Limited** user accounts. Certain settings apply to Media Center and affect all user accounts. This type of change is set up by those with computer administrator accounts. Other settings can be selected by those with Limited user accounts.

Computer Administrator (General settings) (Custom settings)	**Limited User**
Set up Media Center	Change appearance settings
Set up the Internet connection	Change sound settings
Set up the remote control	Turn on or off transition animation
Change the privacy settings	Turn on or off notifications
Set parental controls	Adjust display settings
Customize the program guide	
View scheduled recording times and related information	
Set TV recording and storage defaults	
Set language defaults for DVD playback	

Changing General Settings

Changes to the general settings affect all user accounts. The computer administrator is the only account that has the system authority to change general settings.

To change general settings

1. Point the remote control at the remote sensor, and press the **Start** button.

   The **Media Center Start** menu appears.

2. Use the arrow buttons on the remote control to select **Settings** and press **OK**.

   The **Settings** window appears.

Media Center — Settings

3. From the **Settings** window, select **General** and press **OK**.

   The **General Settings** window appears.

Media Center — General Settings

4. From the **General Settings** window, you can select:

   - **Appearance** — to turn transition animations on or off, change the background color, adjust TV and video size, color, and sharpness.
   - **Media Center sounds —** to turn the sound on or off.

- **Notifications** — to set telephone notifications.

  ✍ Your computer does not currently support the notifications feature.

- **Autoplay** — to enable enhanced autoplay options.
- **Parental control** — to block selected programs.
- **Set up Internet connection** — to select a download method.
- **Set up remote control** — to verify that your remote control is working properly with the remote sensor. Follow the onscreen instructions.
- **Privacy** — to view privacy statements and change media information settings.
- **Data credits** — to visit WindowsMedia.com for specific entertainment information.
- **About Media Center** — to view information about Media Center.

5. After changing these settings, press **Back** twice on the remote control to return to the **Settings** window.

Changing TV Recording Settings

You can change your TV recording priorities and options.

1. Point the remote control at the remote sensor, and press the **Start** button.

   The **Media Center Start** menu appears.

2. Use the arrow buttons on the remote control to select **Settings** and press **OK**.

   The **Settings** window appears.

3. From the **Settings** window, select **TV**, and then select **Recorder**, pressing **OK** after each selection.

   The **Television Recorder Settings** window appears.

Media Center — Recorder

4. View the recording status, or change the settings for these options:

   - **History** — Review a list of your recorded programs, and sort the list by date, status, or name.
   - **Recorder storage** — Change the settings that control recording space. See the section, About storage space for recorded TV programs.
   - **Recording defaults** — Customize the general recording settings to change how and when your TV programs are recorded.

5. After changing these settings, press **Back** on the remote control twice to return to the **Settings** window.

About storage space for recorded TV programs

The amount of storage space available for TV recording is based on your hard disk dive size, allocation, and the recording quality settings. Your computer requires space to run the operating system, software programs, and store data files. Your computer's performance is affected when the hard disk drive becomes full.

You can free up hard disk space to record more programs or to improve your computer's speed and performance with these options.

- Delete recorded TV programs from the Recorded TV window. For more information, see Recording TV Programs.
- Increase the percentage of hard disk space allocated for recording TV programs. Go to the **Recorder storage** window and set a disk allocation of between 5 and 90 percent.
- Record your TV programs to the largest drive partition.

Media Center does not support recording to removable drives, network drives, or drives with less than 5 MB of available space.

- Archive your recorded TV programs to recordable DVD media, using Click to DVD software. For more information, see Copying Recorded TV Programs to DVDs.

- Change the recording quality setting to get the maximum recording time. Higher quality recordings create larger files. If you want to record more TV programs in the available storage space, go to the **Storage** setting window and set the recording quality to a lower setting.

- Set the storage default to automatically delete the TV recording after viewing.

  1. From the **Television Recorder Settings** window, select **Recording defaults**.

  2. Use the arrow buttons to select the **Keep** setting and change the setting to **Until I watch**.

  3. Select **Save**, and then press **OK** on the remote control.

Changing TV Program Guide Settings

Media Center uses an active Internet connection to set up and update your local Television Program Guide. You can set up Media Center to automatically connect to the Internet and update the Guide. This process may take a few moments to complete, based on the speed of your Internet connection.

You can select which channels to display and manually update your Guide from the Internet.

The TV Program Guide settings are administrator controlled. When changes are made to this setting, the change affects all user accounts.

To change the TV Guide settings

1. Point the remote control at the remote sensor, and press the **Start** button.

   The **Media Center Start** menu appears.

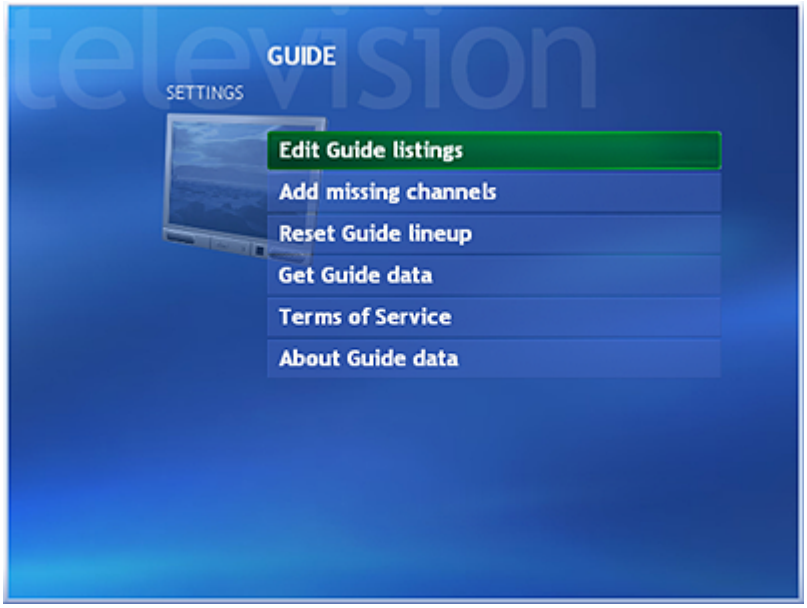
2. Use the arrow buttons on the remote control to select **Settings**. Press **OK**.

   The **Settings** window appears.

3. From the Settings window, select **TV**, and then select **Guide**.

   The **Television GUIDE** settings window appears.

Media Center — Guide



4. You can perform these tasks, or change these settings:

   - **Edit Guide listings —** Display or hide the Guide channels. To display a channel, place a check mark in the box next to the channel. Clear the check mark to hide a channel.
   - **Add missing channels** — Display channels in the Guide that were not previously shown.
   - **Reset Guide lineup** — Set up your program guide.
   - **Get Guide data** — Update the TV Program Guide by performing a download from the Internet.
   - **Terms of Service** — Review the Electronic Programming Guide Use Agreement.
   - **About Guide data** — Locate general information and view the date range for your current version of the TV Program Guide.

5. After viewing or changing these settings, press **Back** on the remote control to return to the **TV** settings window.

Setting Parental Controls For TV Viewing

This setting is administrator controlled and affects all user accounts.

To set parental controls

1. Point the remote control at the remote sensor, and press the **Start** button.

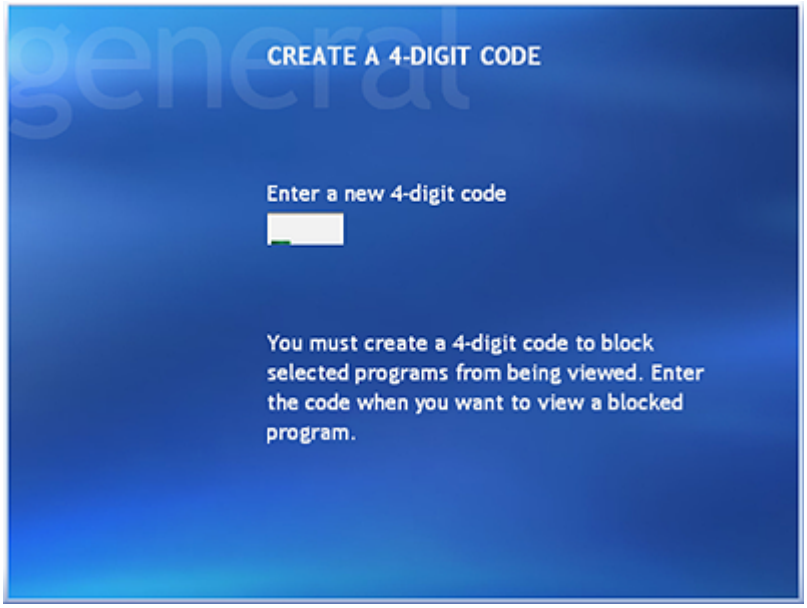
   The **Media Center Start** menu appears.

2. Use the arrow buttons on the remote control to select **Settings**. Press **OK**.

   The **Settings** window appears.

3. From the **Settings** window, select **General**, and then select **Parental control**.

Media Center — Parental control


CREATE A 4-DIGIT CODE
Enter a new 4-digit code
You must create a 4-digit code to block selected programs from being viewed. Enter the code when you want to view a blocked program.

The first time you select Parental control, you are prompted to create a password. Use the numeric keys on the remote control to enter your password.

The **Parental Controls Settings** window appears.

Media Center — Parental control settings

4. You can perform these tasks, or change these settings:

   - **TV Ratings —** Turn on the "TV blocking" feature, and allow only certain TV programs to be displayed.

- **Movie/DVD ratings** — Turn on the movie and DVD blocking feature, and allow only certain movies to be displayed.
- **Change 4-digit code** — Change your parental controls password.
- **Reset parental controls** — Remove your password and reset all of the TV and movie viewing limits

5. After changing these settings, press **Back** on the remote control to return to the **Settings** window.

Changing the Language For DVD Movies

1. Point the remote control at the remote sensor, and press the **Start** button.

   The **Media Center Start** menu appears.

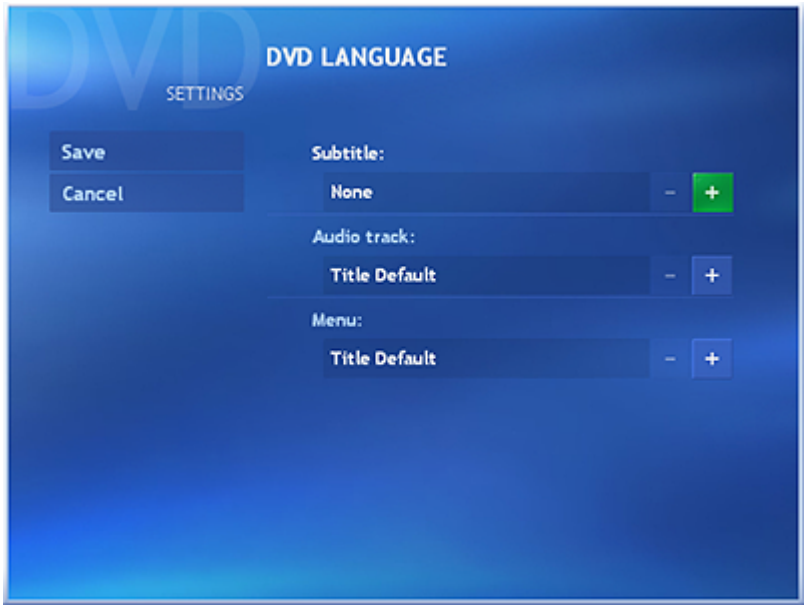
2. Use the arrow buttons on the remote control to select **Settings**. Press **OK**.

   The **Settings** window appears.

3. From the **Settings** window, select **DVD**, and then select **Language**.

   The **DVD Language Settings** window appears.

Media Center — DVD Language



4. Use the arrow buttons to select the **+** or **-** controls, and then press **OK** to scroll through the list of available options.

5. When you locate the desired language, use the arrow buttons to select **Save**. Press **OK** on the remote control.

6. After changing these settings, press **Back** on the remote control to return to the **Settings** window.

Selecting Closed Captioning

You can select closed captioning to display the TV program's spoken audio in text format on the screen.

To select closed captioning

1. Point the remote control at the remote sensor, and press the **Start** button.

   The **Media Center Start** menu appears.

2. Use the arrow buttons on the remote control to select **Settings**. Press **OK**.

   The **Settings** window appears.

3. From the Settings window, select **TV**, and then select **Audio**.

   The **TV AUDIO** window appears.

Media Center — TV Audio

4. Use the arrow buttons to select the **+** or **-** controls, and then press **OK** to scroll through the list of available options:

   - **Audio** — Select stereo or Secondary Audio Program (SAP). If you select SAP, Media Center broadcasts simultaneously for a primary and secondary audio program that may contain a voice-over commentary or foreign language interpretation.
   - **Captioning** — Select CC1 or CC2 for closed captioning options. There may be no closed captioning available, depending on the broadcaster.
   - **Caption Display** — Select one of three options to turn Closed Captioning **on**, **off**, or **on when muted**.

5. After selecting the desired options, use the arrow buttons to select **Save**, and then press **OK** on the remote control.

6. After changing these settings, press **Back** on the remote control twice to return to the **Settings** window.

VAIO Media Software

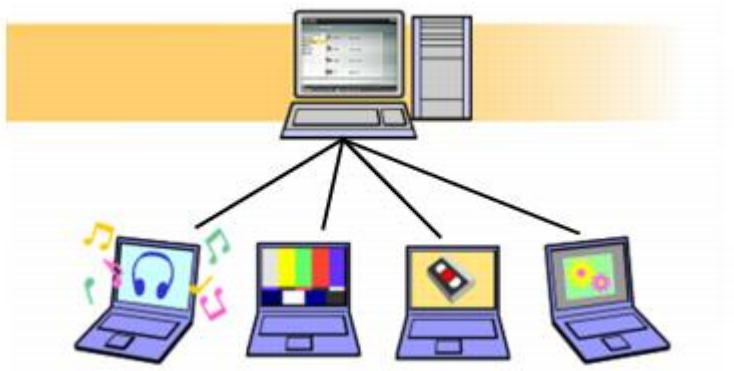
VAIO Media software expands digital entertainment possibilities by delivering your music, video, and still image files anywhere in your home! Set up one of the VAIO® computers on your home network to act as a media server, then get ready to share the fun and memories with your family and friends.

- VAIO Media Software Overview
- VAIO Media Software System Requirements
- Setting Up a Client Computer
- Preparing your Multimedia Content
- Starting VAIO Media Console
- Using VAIO Media
- Using an Analog Device for Video Playback

VAIO Media Software Overview

VAIO Media software makes it possible to share music, video, and photos with other VAIO® computers on your wired or wireless network. Set up one or more computers on your network as media servers and install the VAIO Media client software on the other computers. The computers with the VAIO Media client software installed can access multimedia content stored on the VAIO Media server computers.

VAIO® computer network



The VAIO computer that is designated as the media server can store and deliver:

- **Music files —** Supporting music files in MP3, WAV, OpenMG (ATRAC3), and WMA formats. Use SonicStage or SonicStage Mastering Studio software to create music playlists to share on your network. Music files in MP3, WAV, and WMA formats can be placed in folders and registered to the VAIO Media Server. The network's client computers can access these music files.
- **Video files** — Supporting Video Capsule files created by Giga Pocket® software and TV programs recorded with Media Center. Video files in DV- AVI, MPEG1, MPEG2, DIVX[1], and WMV formats can be placed in folders and registered to the VAIO Media Server. The network client computers can access these music files.
- **Still image files** — Supporting picture files in JPEG, GIF, BMP, PNG, and TIFF formats. Still images can be placed in folders and registered to the VAIO Media Server. The network client computers can access these files.
- **TV broadcast** — VAIO computers equipped with Giga Pocket software can stream a live TV signal to other VAIO computers connected to your network.
- **Analog stream** — VAIO computers equipped with Media Center can stream an analog signal from a connected analog device, such as a VCR, through the TV server.

About Microsoft Windows XP Media Center

Your new VAIO® computer has the Microsoft® Windows® XP Media Center operating system installed. When you start the Media Center software program for the first time, the Media Center setup process starts. Adjust the default settings before opening VAIO Media software on client and server computers. See Media Center — Getting Started for information on setting up Media Center.

VAIO® Media Center computers can share recorded television program files with other VAIO computers on your network, using VAIO Media software. Live TV viewing over a network is not supported by the Media Center.

[1] A DIVX encoder program must be installed on your computer, to enable playback of files in DIVX format.

VAIO Media Software System Requirements

You can open VAIO Media software on the server computer(s), register client computers to the server(s), and then share multimedia content between the network computers.

Server requirements

- The VAIO Media server requires VAIO® computers running Microsoft® Windows® XP Home Edition, Microsoft Windows XP Professional Edition, and Microsoft Windows Media Center Edition operating systems. VAIO Media software is not supported by other computers or environments.
- Connect the server and client computers through a wired network with ethernet cables or a wireless local area network (WLAN).

Client requirements

- All client computers must be VAIO computers running Microsoft® Windows® XP Home Edition, Microsoft Windows XP Professional Edition, and Microsoft Windows Media Center Edition operating systems. VAIO Media software is not supported by other computers or environments.
- All client computers must be connected to the same network with a server using a router, ethernet cables, or a wireless LAN. Configure each client to use a router or an access point on the network.
- All client computers must have VAIO Media software, version 2.0 or later, installed before attempting to register.

Network requirements

The VAIO Media software network must meet one of the following network requirements:

- Use the Ethernet capability that is built into the VAIO® computer (10BASE- T/100BASE-TX/1000BASE-TX).
- Use a wireless LAN interface:
  - IEEE 802.11a (recommended for music, image, and video files)
  - IEEE 802.11g (recommended for music, image, and video files)
  - IEEE 802.11b (recommended for music and images files)

IEEE 802.11b is not recommended for video files due to bandwidth constraints.

Setting Up a Client Computer

From the server, copy and distribute the VAIO Media installer file to the client computers.

To copy and distribute the installer file

1. Click **Start** on the Windows® taskbar, and point to **All Programs**.
2. Point to **VAIO Media**, and click **Install VAIO Media to other VAIO PCs**.

   The **Enjoying Music, Photos, and Video on Other VAIO computers** window appears.
3. Click **Get Installer**.

   A file download message box appears.
4. Click **Save**.
5. Save the file **VM30Inst.exe** to a blank storage media, such as a CD-R, CD-RW or Memory Stick® media, to transfer and set up the installer program on each client computer.

The VM30Inst.exe file is 21 MB in size. Verify your storage media's data capacity before attempting to save the program.

To register a client computer

Your server computer must be turned on during client registration to enable the registration of each client computer. You can register only one client at a time. If more than one client computer is actively seeking registration, the server computer recognizes all registration requests. You must restart the registration process for each client.

Begin the client computer registration process after you have installed the **VM30Inst.exe** file to the client.

1. Save the installer program to the client computer, and then double-click to open and install it. Follow the on-screen installation instructions.
2. Restart the client computer after installing the file. VAIO Media software appears in the **Start** menu.
3. Click **Start** on the Windows® taskbar, and point to **All Programs.**
4. Point to **VAIO Media,** and then click **Register to VAIO Servers**.
5. Follow the on-screen instructions to complete the **VAIO Media Registration** wizard.
6. On the server computer, follow these steps:
   1. From the **Start** menu, point to **All Programs**, and then point to **VAIO Media**.
   2. From the **VAIO Media** submenu, point to **Server Administration**, and click to open **VAIO Media Console**.

      The **VAIO Media Console** window appears.
   3. From the **Access Control Settings** tab, select the check box, **Access this computer from other devices connected to the network**.
   4. Select the option, **Restrict access this computer to manually-registered devices [Recommended]**.

      This option only allows registered computers access to the server.

      To allow VAIO® computers access to the server, select the option, **Allow all connectable devices to access this computer**.
   5. Click **Register**.

      The **VAIO Media Registration** wizard appears.

6. Sony recommends selecting the option, **Automatically register devices when connected to the network**. Click **Next**.

Registration requests from network clients or devices appear.

If you want to use a confirmation number to register your computer, verify that the **Use the confirmation number to register your device** option is selected.

✍ Stand by mode is automatically canceled five minutes after clicking **Next**.

7. From the server computer, accept the new client.

As the server and client computers recognize each other, the server computer generates a four-digit number for the client. Type this number on the client machine. Each client computer has a unique number that cannot be used by the other clients on the network.

✍ If the registration process is cancelled, no number is generated. The registration process must begin again for that client computer.

8. Restart the client computer, if necessary. A new icon, **VAIO Media**, appears on the client's desktop.

The installation is complete and the registered client computer can access media files stored on the VAIO Media server.

[1] A message prompt appears to notify of the multiple registration requests.

Preparing your Multimedia Content

You can use preinstalled Sony® software programs to prepare your multimedia content for sharing across the network using VAIO Media software.

To prepare your multimedia content

VAIO Media Console software can manage different media server features to deliver various file formats.

- **VAIO Media Music Server software delivers music files** — Use SonicStage or SonicStage Mastering Studio software to create playlists of music files. The VAIO Media Music Server software automatically makes these playlists and other music files stored in registered folders, available to Microsoft® Windows® XP Media Center and the client computers on your network.
- **VAIO Media Photo Server software delivers image files** — Use the Photo Server to deliver pictures for Media Center and the client computers on your network. VAIO Media Photo Server software recognizes .JPEG, .BMP, .GIF, and .TIFF file formats.
- **VAIO Media Video Server software delivers video files** — Media Center records TV programs and VAIO Media Video Server software delivers the recorded contents to the client computers on your network. You can also use a VAIO® computer with Giga Pocket® software[1], version 5.0 or later, to create Video Capsules. Video files using DV-AVI, MPEG1, MPEG2, DIVX[2], and WMV file formats can be stored in registered folders and accessed by the client computers on your network.

  Giga Pocket Personal Video Recorder software creates video content called Video Capsules, which are stored in locations known as cabinets.

- **VAIO Media TV Server software delivers an analog stream** — You can connect analog devices, such as a VCR, to a computer equipped with Media Center and stream video to other VAIO computers in your network.

VAIO Media software does not support live TV viewing across the network on your computer equipped with Media Center. Only VAIO computers equipped with Giga Pocket software support live TV viewing across the network through the TV server.

[1] Giga Pocket® Personal Video Recorder hardware and software features are not installed on VAIO® computers running under the Microsoft® Windows® XP Media Center operating system

[2] A DIVX encoder program must be installed on your computer, to enable playback of files in DIVX format.

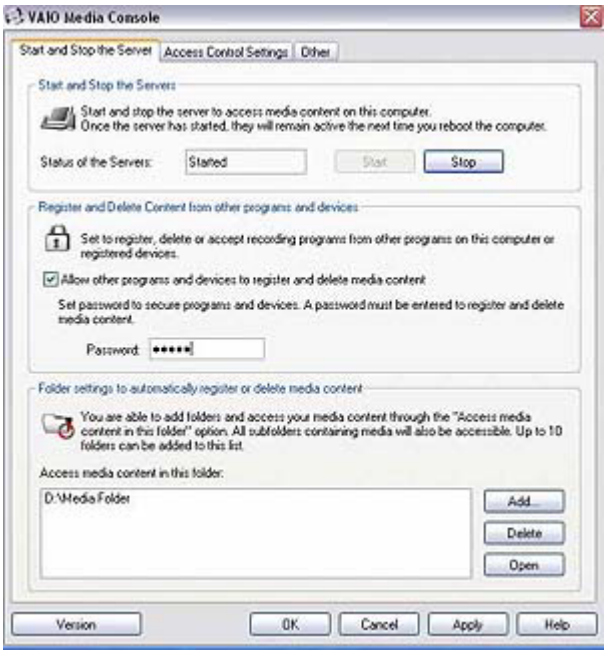
Starting VAIO Media Console

VAIO Media Console software manages all of the Media Servers, enabling you to register and grant access to the client computers on your network. You can also register folders containing video, music, and still image contents. When a folder is registered with VAIO Media Console, the contents can be accessed by the network's client computers and devices.

To configure client and server access

1. Click **Start** in the Windows® taskbar, and then point to **All Programs**.
2. Point to **VAIO Media**, point to **Server Administration**, and click **VAIO Media Console**.

VAIO Media Console


VAIO Media Console
Start and Stop the Server
Access Control Settings
Other
Start and Stop the Servers
Start and stop the server to access media content on this computer.
Once the server has started, they will remain active the next time you reboot the computer.
Status of the Servers:
Started
Start
Stop
Register and Delete Content from other programs and devices
Set to register, delete or accept recording programs from other programs on this computer or registered devices.
Allow other programs and devices to register and delete media content
Set password to secure programs and devices. A password must be entered to register and delete media content.
Password:
Folder settings to automatically register or delete media content
You are able to add folders and access your media content through the "Access media content in this folder" option. All subfolders containing media will also be accessible. Up to 10 folders can be added to this list.
Access media content in this folder:
D:\Media Folder
Add...
Delete
Open
Version
OK
Cancel
Apply
Help

The VAIO Media Console software window appears, enabling you to:

- Check the status of your servers.
- Troubleshoot problems.
- Start and stop all media servers.
- Identify devices registered to the server.

3. Register folders.
4. Add password protection.
5. Enable access through the Internet Connection Firewall (ICF).
6. Run the software when the system starts.

To make additional content available to the network

After creating additional playlists, recorded TV programs, or other video content, you can make them available to client computers on your network.

1. Create or add new content, such as playlists, recorded TV programs, and still images, to registered folders.
2. Close VAIO Media software, if it is running.
3. Refresh the VAIO Media software.

   Information about the new content is updated when the server software starts again.

When you stop and restart the server, it displays new connections and refreshes the content on the network computers.

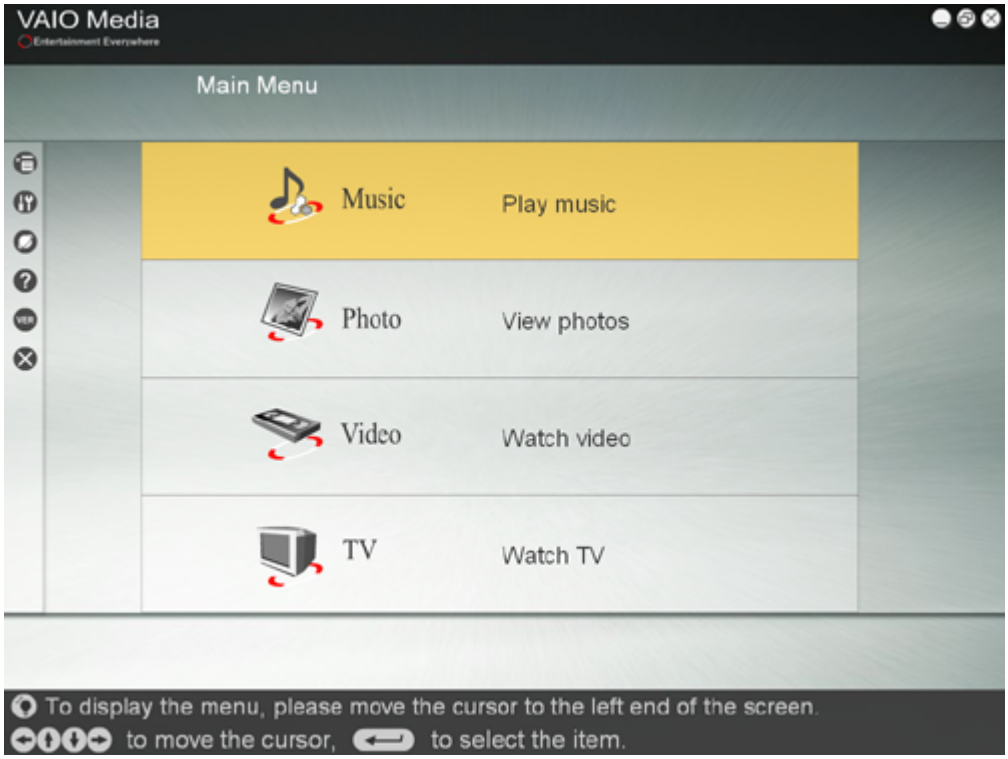
Using VAIO Media

VAIO Media uses your network servers to view images and video or listen to music.

1. Click **Start** in the Windows® taskbar, and then point to **All Programs**.
2. Point to **VAIO Media**, and then click **VAIO Media**.

   The **VAIO Media Main Menu** window appears.

VAIO Media Software — Main Menu



3. Click the type of content you want to view or listen to (Music, Photo, Video, or TV).

   VAIO Media software searches for an available VAIO Media computer on your network.

   - If more than one VAIO Media computer is found, the **Please select a server** window appears. Select a VAIO Media computer from the list.
   - If only one VAIO Media computer is found on your network, a **Please select a server** window appears, displaying available music or video contents. A **Folder/Photo Lists** window appears if you have selected **Photo** from the main menu. A **Channel List** window appears if you have selected **TV** from the main menu.
   - Click the computer, image folder, video cabinet or channel you want to access.

Accessing VAIO Media Help

For more information about using the VAIO Media software program, follow these steps:

1. Click **Start** in the Windows® taskbar, and point to **All Programs**.
2. Point to **VAIO Media**, and then click **Help**.

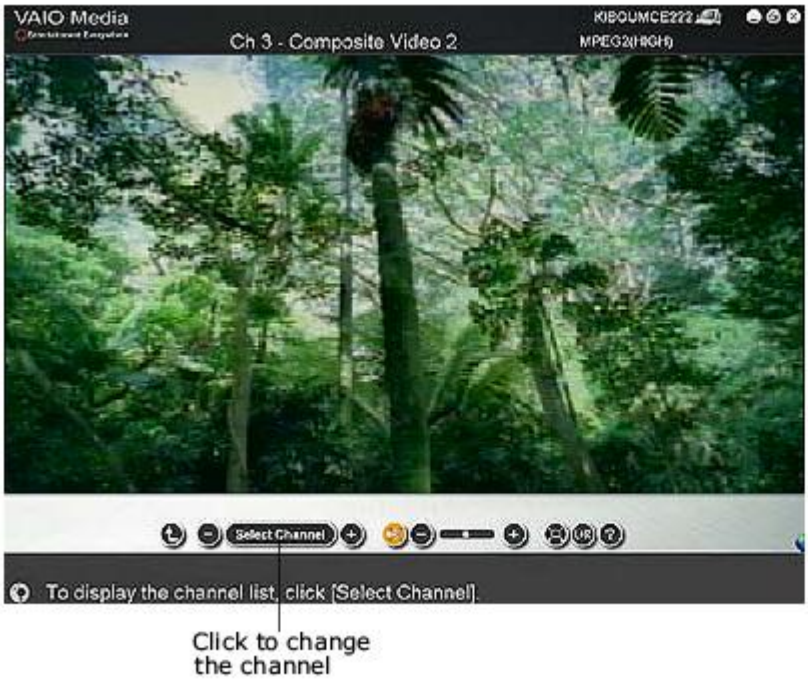
Using an Analog Device for Video Playback

You can stream video content from an analog device, such as a VCR, using the VAIO Media TV server software, and watch video playback on your computer or across the network.

Setting up an analog device

1. Connect one end of the A/V cable to the Video Out port on your analog device.
2. Connect the other end of the A/V cable to the Composite Video In jacks, located on the front or back of your computer equipped with Media Center.
3. Begin playback using the analog device.
4. On your computer, click **Start** and point to **All Programs**.
5. Point to **VAIO Media**, and then click **VAIO Media**.
6. Click **TV**. One of the following windows appears:
   - If there are other TV servers that can stream analog input on your network, VAIO Media software displays them on the server list. Click to select the computer equipped with Media Center from the server list.
   - If your computer is the only TV server on the network that can stream analog input, then playback begins.

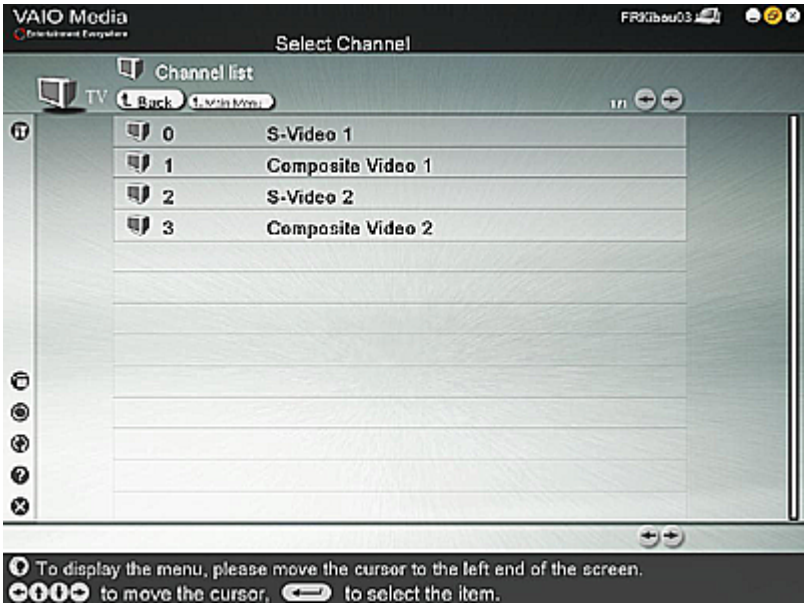
Playback


VAIO Media
Ch 3 - Composite Video 2
Select Channel
To display the channel list, click [Select Channel].
Click to change the channel

- If the playback window is empty, click **Select Channel**. VAIO Media software assigns a channel to each A/V input jack. You may need to change the channel to view the video.

  The **Channel list** window appears.

Channel list


VAIO Media
Select Channel
Channel list
TV
Back
0 S-Video 1
1 Composite Video 1
2 S-Video 2
3 Composite Video 2
To display the menu, please move the cursor to the left end of the screen.
to move the cursor, to select the item.

Channel	Input	Location
0	S-Video 1	The S-video In jack on the back panel of the computer.
1	Composite Video 1	The Composite video In jack on the back panel of the computer.
2	S-Video 2	The S-video In jack on the front panel of the computer.
3	Composite Video 2	The Composite video In jack on the front panel of the computer.

Configuring Your VAIO Computer

This section provides basic information about managing your computer's hard disk drive performance, using i.LINK devices, CompactFlash cards, SmartMedia cards, Memory Stick media, PC Cards, and changing default settings. Your computer may not be equipped with all of the hardware features described in this section, depending on the system configuration purchased. To view the specific hardware configuration for your computer, see the online *Specifications* sheet.

- About i.LINK Compatibility
- About the Memory Stick Media Slot
- About the Secure Digital (SD) Card Slot
- About the xD Picture Card Slot
- About the CompactFlash/Microdrive Media Slot

About i.LINK Compatibility

Your VAIO® computer may be equipped with a 4-pin and/or a 6-pin i.LINK® port, depending on the system configuration purchased. A 4-pin i.LINK port cannot supply power to a connected i.LINK device. A 6-pin i.LINK port can supply power (10V to 12V) to a connected i.LINK device, if the device is equipped with a 6-pin connector.

See the specifications sheet for your computer on the Sony Online Support Web site at http://www.sony.com/pcsupport, for details about your computer's hardware configuration.

The total power supplied by the 6-pin i.LINK port cannot exceed 6 watts.

For PCV-V and PCV-W series models

Your PCV-V / PCV-W series computers have one 4-pin i.LINK port available to connect your digital devices. A 4-pin i.LINK port cannot supply power to a connected i.LINK device.

i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connection. The i.LINK connection may vary, depending on the software programs, operating system and compatible i.LINK devices. All products with an i.LINK connection may not communicate with each other.

Refer to the documentation supplied with your compatible i.LINK device for information on operating conditions and proper connection. Before connecting compatible i.LINK devices to your system, such as an optical or hard disk drive, confirm their operating system compatibility and required operating conditions.

Connecting an i.LINK (IEEE 1394) device

1. Use the symbol to locate the i.LINK port on your compatible i.LINK device and on your computer. Plug the i.LINK cable connector into this port.
2. Plug the other end of the cable into the corresponding 4- or 6-pin i.LINK port on your computer.

See the instructions supplied with your i.LINK device for more information on installation and use.

About the Memory Stick Media Slot

Your VAIO® computer is equipped with a Memory Stick® slot that supports certain types of Memory Stick® media.

About Memory Stick media

Memory Stick® media are a compact, portable, and versatile data storage media designed for exchanging and sharing digital data with compatible devices. The following types of Memory Stick media are available, but compatibility with your computer can vary.

- **MagicGate Memory Stick® media** — Provides copyright protection with authentication and encryption, using Sony® MagicGate technology. Authentication ensures that protected content is only transferred between compliant devices and media. Protected content can be recorded and transferred in an encrypted format that prevents unauthorized duplication or playback. You can store different data formats on a single Memory Stick media.
- **Memory Stick PRO media** — Provides MagicGate copyright protection and high-speed data transfer features when used with compatible Memory Stick PRO devices. VAIO® computers support Memory Stick PRO media for data storage purposes only. Currently, high-speed data transfer and the MagicGate technology features, such as authentication and encryption, are not available. You can store different data formats on a single Memory Stick media.
- **Memory Stick® media** — Provides data storage only. The Memory Stick media does not provide MagicGate technology or high-speed data transfer. You can store different data formats on a single Memory Stick media.

Currently, Sony® SonicStage and OpenMG software are not compatible with the new Memory Stick PRO media. Sony suggests using only MagicGate Memory Stick media to store and transfer any data created with SonicStage or OpenMG software.

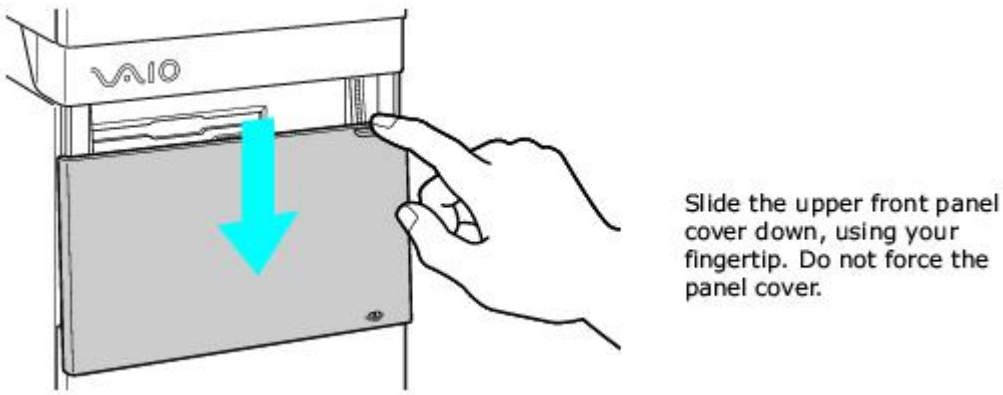
Visit the Sony Online Support Web site at http://www.sony.com/pcsupport regularly for the latest information on Memory Stick® media.

Memory Stick media do not support AVI file playback directly from the media. Copy the video file to your hard disk drive and then play back the file.

To insert a Memory Stick media

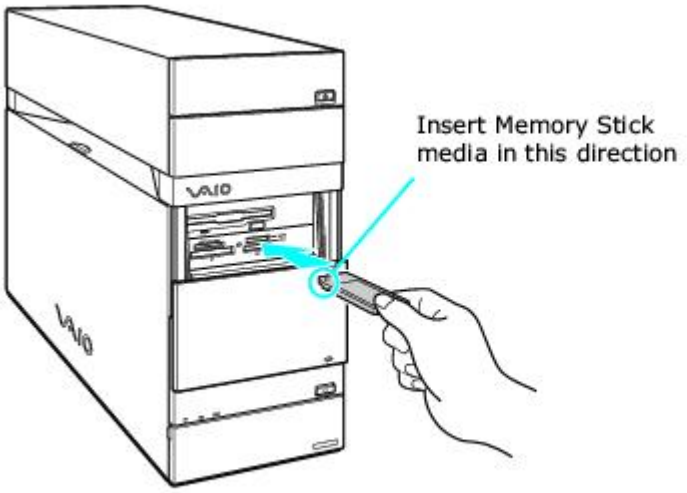
1. Use your fingertip to slide the upper front panel cover down. Do not force the panel cover open.

Opening the upper front panel cover



2. Insert the Memory Stick® media into the Memory Stick media slot.

Inserting a Memory Stick media



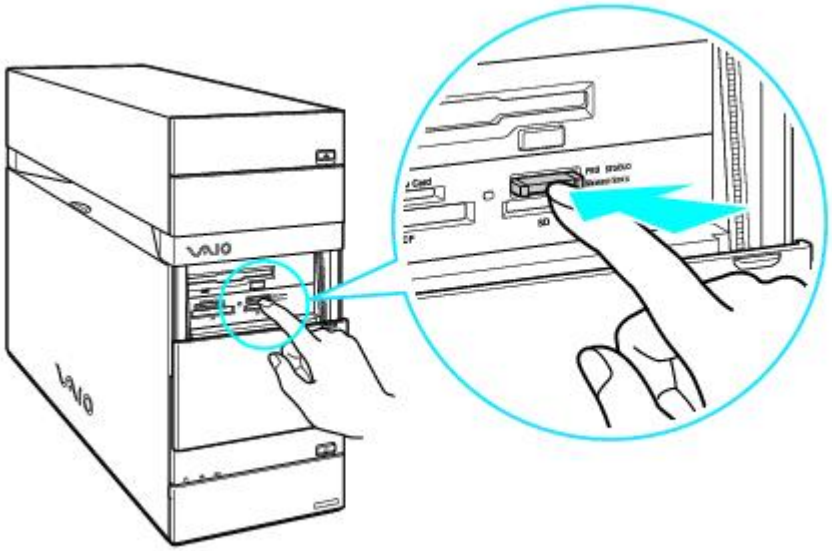
3. If the media does not insert easily, remove it from the slot and verify that it is not upside-down or backwards. Carefully reinsert the Memory Stick media, but do not force it into the slot.

To remove a Memory Stick media

A small portion of the Memory Stick media remains extended when it is inserted into the Memory Stick media slot.

1. Press the extended portion of the Memory Stick media to release it from the Memory Stick slot. The media extends further, enabling you to grasp it.

Inserting a Memory Stick media



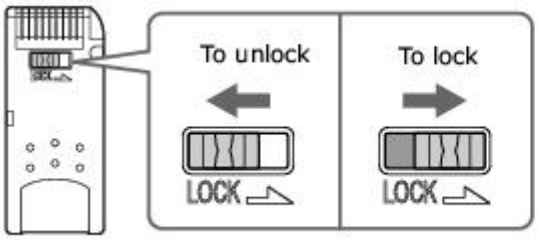
2. Remove the Memory Stick media from the slot carefully.

Do not remove the Memory Stick media while the media access indicator light is on. The media or its data may become damaged.

To protect data on Memory Stick media

Some Memory Stick media are equipped with a write-protect tab[1]. The write-protect tab prevents accidental changes to information recorded on your Memory Stick media. When you slide the write-protect tab to the LOCK position, your Memory Stick media is write-protected. You cannot delete, copy, or save information on the media while the write-protect tab in the LOCK position. When you slide the tab to the un-LOCK position, you can write to or modify your Memory Stick media's contents.

Locking the Memory Stick Media



Additional information about Memory Stick media

If your computer does not recognize your Memory Stick® media, you may have removed the media from the Memory Stick slot before data access had completed. If this occurs, follow these steps:

1. Remove the Memory Stick media from the slot.
2. Shut down your computer, closing any open software programs, and then turn your computer off.
3. Wait approximately 30 seconds, and then restart your computer.

Your computer recognizes the Memory Stick media, when you insert it into the Memory Stick slot again.

[1] Some Memory Stick media do not have a write-protect tab, and the location or position of the write-protect tab may vary, depending on the type of Memory Stick media. See the information sheet provided with your Memory Stick media.

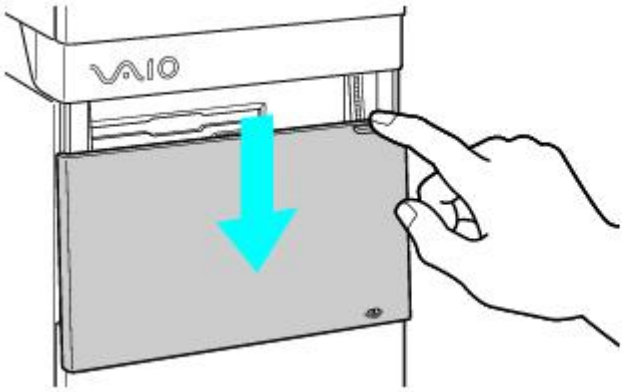
About the Secure Digital (SD) Card Slot

Your VAIO® computer is equipped with a Secure Digital (SD) media card slot that supports both SD and MultiMediaCard (MMC) media.

Inserting a Secure Digital media or MultiMediaCard

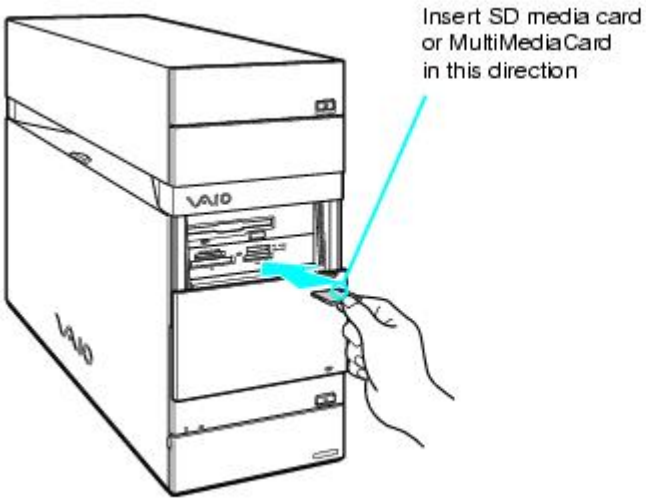
1. Use your fingertip to slide the upper front panel cover down. Do not force the panel cover open.

Opening the upper front panel cover



2. Insert the SD or MMC media into the SD media card slot.

Inserting a Secure Digital media or MultiMediaCard



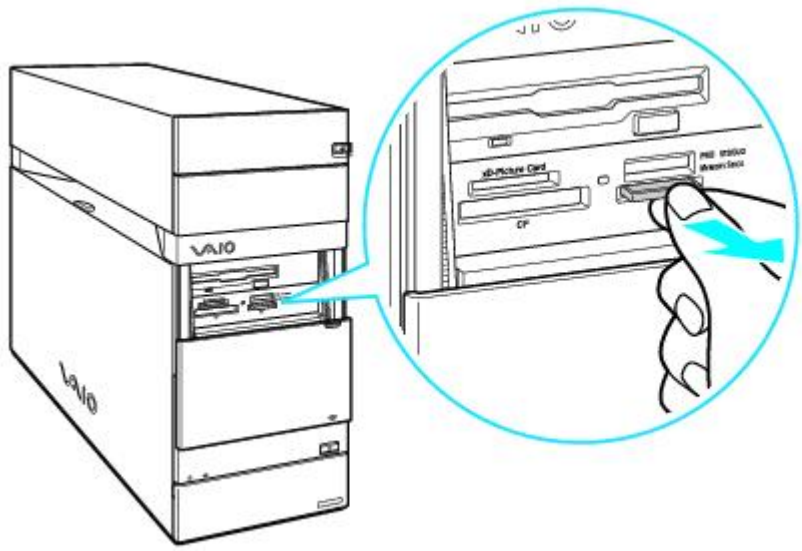
Always insert a SD or MMC media into the SD media card slot for proper operation. Do not insert any other type of media into the SD media card slot.

3. If the media does not insert easily, remove it from the slot and verify that it is not upside-down or backwards. Carefully reinsert the media card, but do not force it into the slot.

Removing a Secure Digital media or MultiMediaCard

1. Press the extended portion of the SD or MMC media to release it from the slot. The media extends further, enabling you to grasp it.

Removing a Secure Digital media or MultiMediaCard



2. Carefully pull the extended portion of the media card, removing it from the SD media card slot.

Do not remove the SD or MMC media while the media access indicator light is on. The media or its data may become damaged.

Additional information about Secure Digital media or MultiMediaCard

If you plan to share your media card between your VAIO® computer and devices such as a digital camera or music player, the media must be formatted properly.

- Format the media card by using it in the device first. See the information supplied with the device for details on formatting media.
- If your device does not recognize the media that has been formatted by your computer:
    1. Save the media contents to your hard disk drive.
    2. Reformat the media with the device.

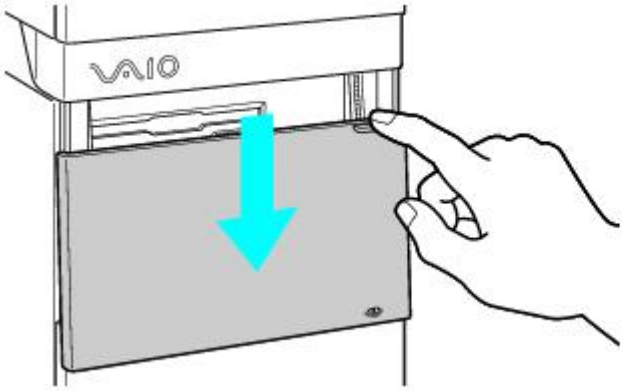
About the xD Picture Card Slot

Your VAIO® computer is equipped with an xD Picture Card slot that supports xD Picture Card media.

Inserting an xD Picture Card media

1. Use your fingertip to slide the upper front panel cover down. Do not force the panel cover open.

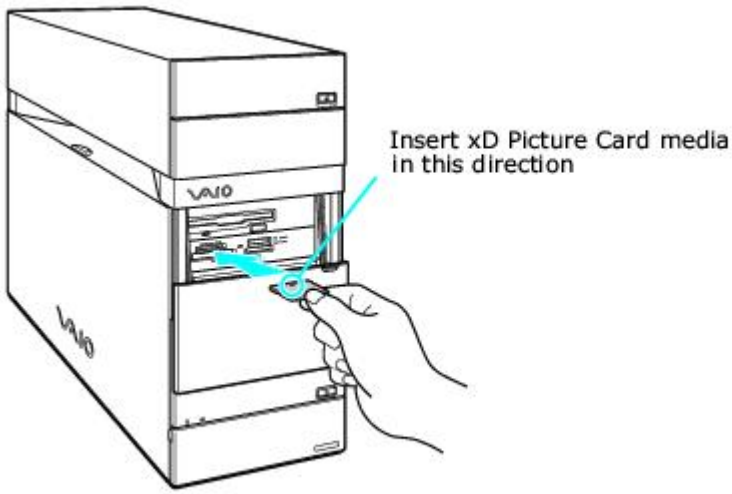
Opening the upper front panel cover



2. Insert the media card into the xD Picture Card media slot.

Always insert an xD Picture Card media into the this media card slot for proper operation. Do not insert any other type of card into the xD Picture Card media slot.

Inserting an xD Picture Card media

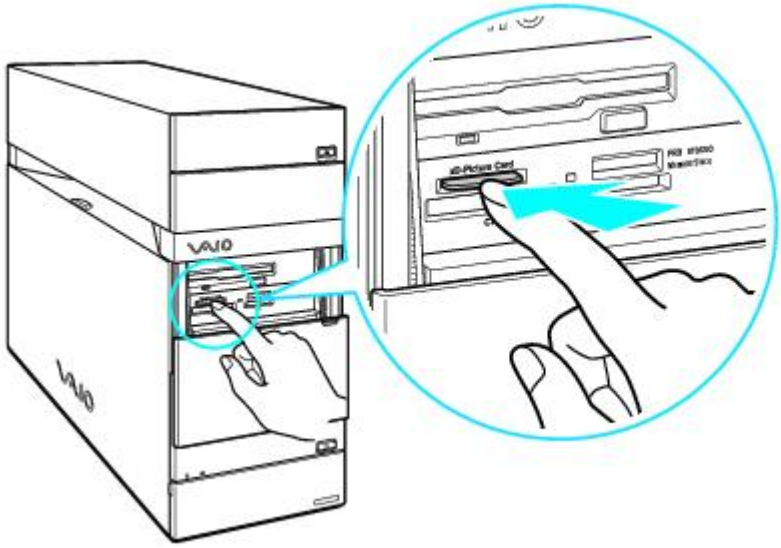


3. If the media does not insert easily, remove it from the slot and verify that it is not upside-down or backwards. Carefully reinsert the xD Picture Card media, but do not force it into the slot.

Removing an xD Picture Card media

1. Press the extended portion of the xD Picture Card media to release it from the slot. The media extends further, enabling you to grasp it.

Removing an xD Picture Card media



2. Carefully pull the extended portion of the xD Picture Card media, removing it from the xD Picture Card media slot.

⚠ **Do not remove the xD Picture Card media while the media access indicator light is on. The media or its data may become damaged.**

Additional information about xD Picture Card media

If you plan to share your media card between your VAIO® computer and devices such as a digital camera or music player, the media must be formatted properly.

- Format the media card by using it in the device first. See the information supplied with the device for details on formatting media.
- If your device does not recognize the media that has been formatted by your computer:
    1. Save the media contents to your hard disk drive.
    2. Reformat the media with the device.

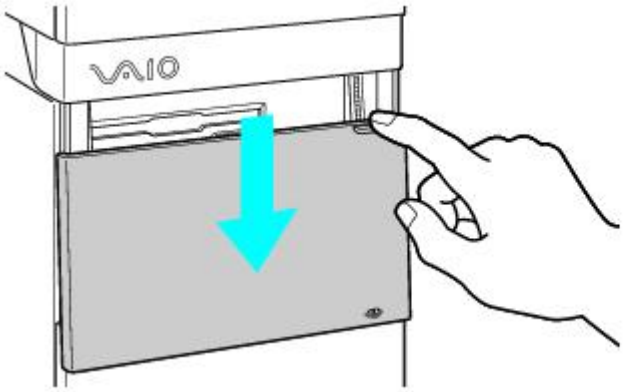
About the CompactFlash/Microdrive Media Slot

Your VAIO® computer is equipped with a CompactFlash®/Microdrive media slot that supports both CompactFlash® and Microdrive media cards.

To insert a CompactFlash or Microdrive media card

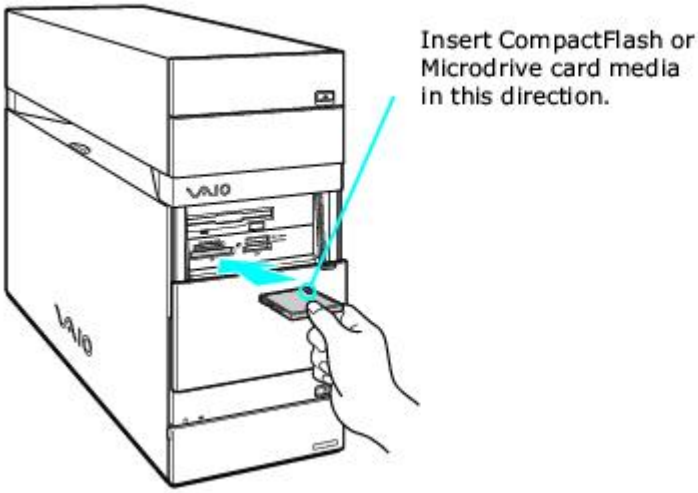
1. Use your fingertip to slide the upper front panel cover down. Do not force the panel cover open.

Opening the upper front panel cover



2. Insert a CompactFlash or Microdrive media card into the card slot.

Inserting a CompactFlash or Microdrive media card



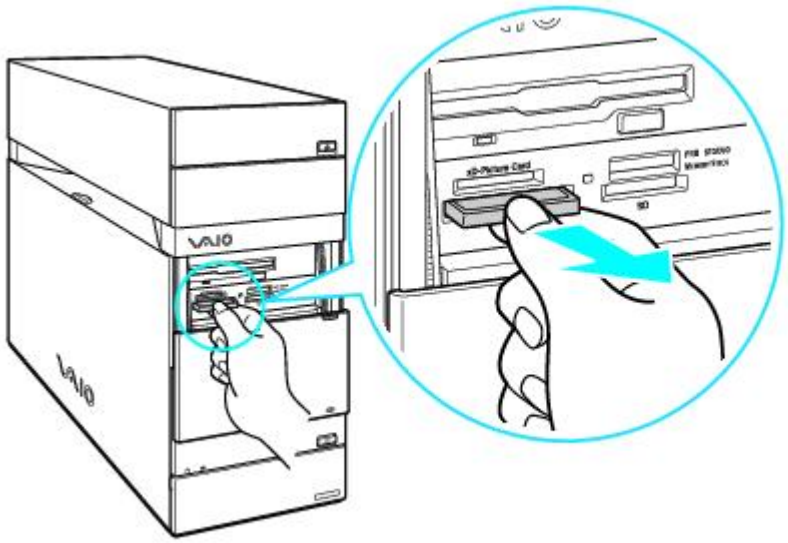
3. If the card does not insert easily, remove it from the slot and verify that it is not upside-down or backwards.
4. Carefully reinsert the media card, but do not force it into the slot.

⚠ **Always insert a CompactFlash or Microdrive media card into the CompactFlash/Microdrive media card slot for proper operation. Do not insert any other type of media card into the CompactFlash/Microdrive media slot.**

Removing a CompactFlash or Microdrive media card

1. Press the extended portion of the CompactFlash or Microdrive media to release it from the slot. The media extends further, enabling you to grasp it.

To remove a media card



2. Carefully remove the media card from the slot.

Do not remove the media card while the media access indicator light is on. The media or data may become damaged.

Additional information about media cards

If you plan to share a CompactFlash or Microdrive media card between your VAIO® computer and devices such as a digital camera or music player, the media card must be formatted properly.

- Format the media card by using it in the device first. See the information supplied with the device for details on formatting media.
- If your device does not recognize the media card that has been formatted by your computer:
  1. Save the media's contents to your hard disk drive.
  2. Reformat the media with the device.

Upgrading and Maintaining your VAIO Computer

In the future you may want to increase the functionality of your VAIO computer. This section describes how to perform basic upgrades and maintenance on your system. For more information on upgrading your computer, see your model's *System Reference Manual*. You can download the *System Reference Manual* from the Sony Online Support Web site at http://www.sony.com/pcsupport.

- Overview
- About Opening the Computer
- About Closing the Computer
- About Add-on Card Installation
- Installing Memory
- About the Lithium Battery
- About Hard Disk Drive Installation

Overview

The upgrading procedures described in this section assume that you are familiar with the general terminology associated with personal computers, safety practices, required regulatory compliances, and the modification of electronic equipment.

Before upgrading your computer

Disconnect the computer from its power source and from telecommunications links, networks, or modems before you open the unit or follow any procedures described in this section.

Failure to disconnect your computer from its power source may result in personal injury or equipment damage. Always turn the power off before you open the system or connect your computer to peripheral equipment. Otherwise, damage may occur to the integrated circuits in your computer.

Your computer may not be equipped with all of the hardware features mentioned in this section. The interior hardware configuration of your system may vary from the illustrations, depending on the computer purchased. To view the specific hardware configuration for your system, see the online specifications sheet.

You may need to temporarily remove add-on cards or other components that may be near the slot cover you plan to remove.

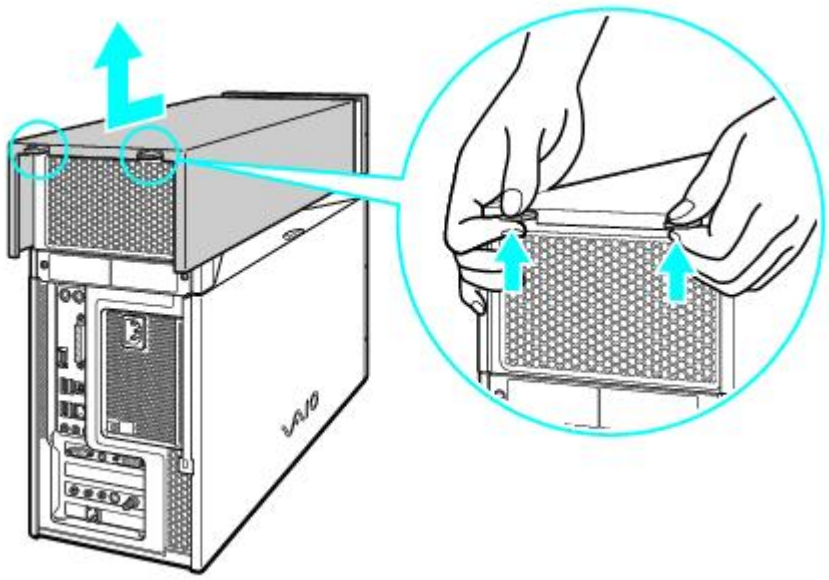
Electrostatic discharge (ESD) can damage disk drives, add-on cards, and other components. Follow the procedures described here only at an ESD workstation. If such a station is not available, do not work in a carpeted area and do not handle materials that produce or hold static electricity (for example, cellophane wrappers). Ground yourself by maintaining continuous contact with an unpainted metal portion of the chassis while performing the procedure.

About Opening the Computer

Removing the top cover

1. Shut down your computer and turn off all peripheral devices, such as your printer.
2. Unplug your computer and disconnect any peripheral devices.
3. Locate the two tabs on the top edge of the back panel.
4. Gently lift these tabs and slide the top cover towards the back of the unit.
5. Lift the top cover up and set aside.

Removing the top cover

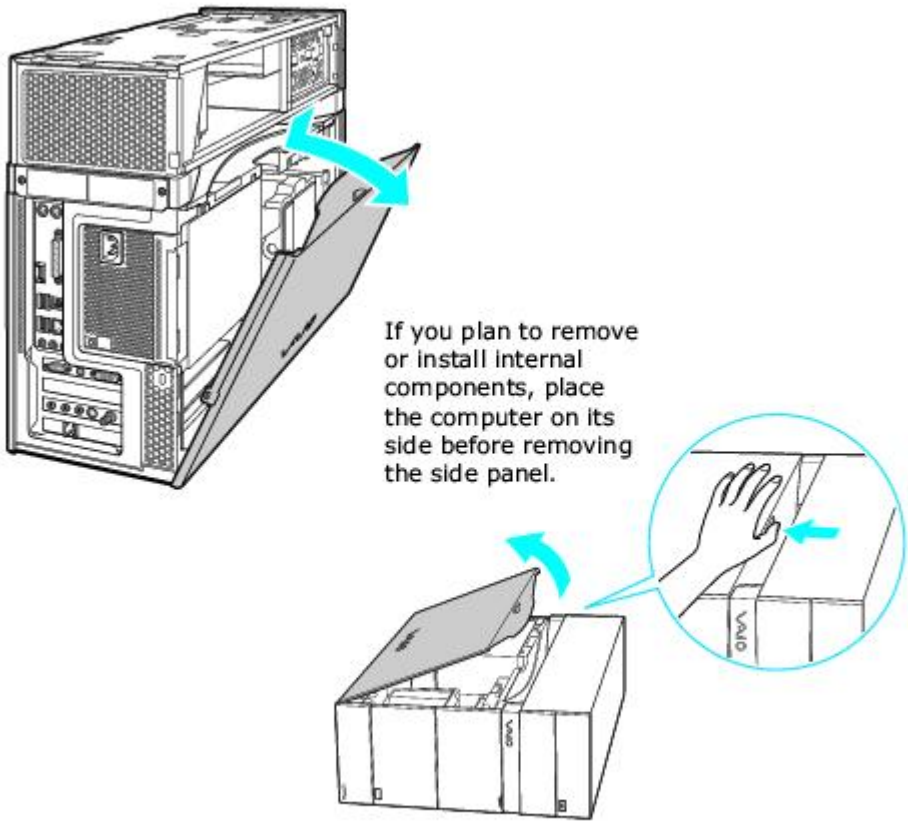


If you open the cover or panels immediately after you shut down your computer, the components may be too hot to touch. Wait until the internal parts of the system unit cool down before you attempt to open the unit.

Removing the side panel

1. Shut down your computer and turn off all peripheral devices, such as your printer.
2. Unplug your computer and disconnect any peripheral devices.
3. Press the release button on the top edge of the side panel.

Removing the side panel



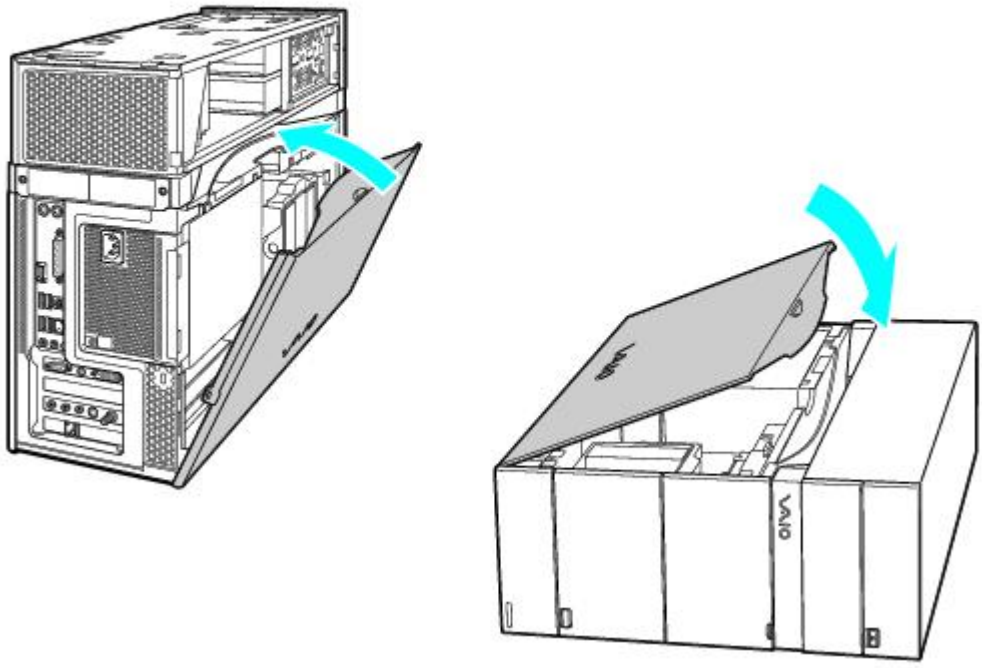
4. Lift the side panel away from the unit and set aside.

About Closing the Computer

Replacing the side panel

1. Align the tabs on the bottom of the side panel to the tracks on the edge of the chassis frame.
2. Gently press the side panel against the chassis, until the release button locks the panel back into place.

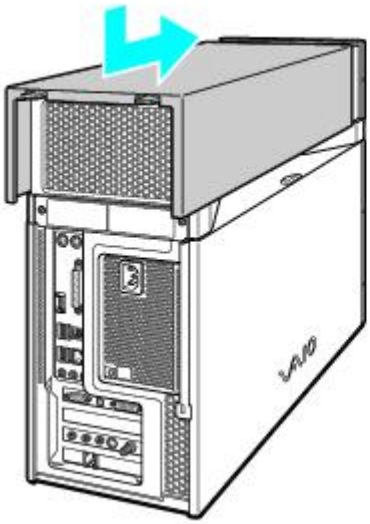
Replacing the side panel



Replacing the top cover

1. Align the tracks on the top cover to the tracks on the chassis frame.
2. Gently slide the top cover forward onto the chassis until the back panel tabs lock the panel into place.

Replacing the top cover



About Add-on Card Installation

Your computer may have one or more open expansion slots, depending on the model configuration. An expansion slot enables you to install add-on cards to expand the functionality of your system. The length of the add-on card should not exceed 9.05 inches.

Add-on card configuration varies by model. Some models, such as Configure-to-Order (CTO) systems, may contain preinstalled add-on cards.

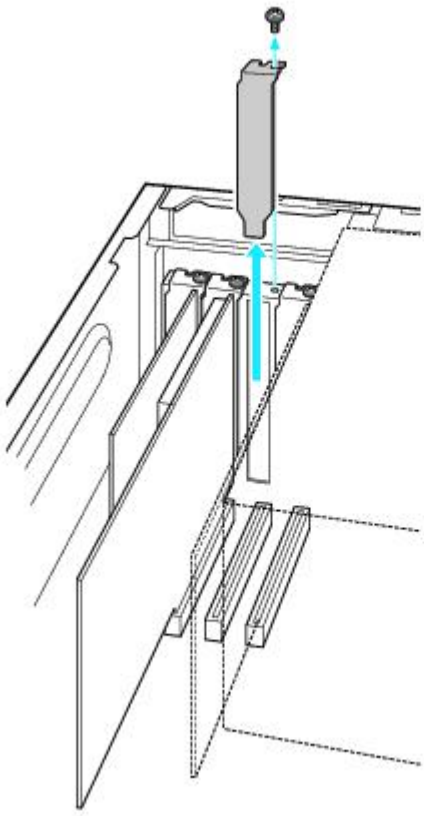
Observe the proper safety precautions when you add cards to your Sony computer. See Before upgrading your computer.

Installing an add-on card

1. Shut down your computer and turn off all peripheral devices, such as your printer.
2. Unplug your computer and any peripheral devices.
3. Gently place the unit on its side and remove the side panel. See About Opening the Computer.
4. Locate an available expansion slot. Remove the slot cover's screw, and then remove the slot cover.

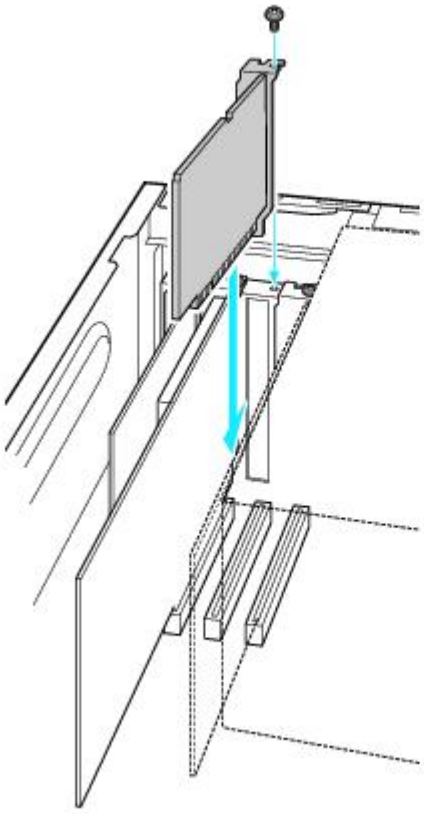
When removing a slot cover, be careful not to damage components on the system board or add-on cards. You may need to temporarily remove add-on cards or other components that may be next to the slot cover you want to remove.

Removing the slot cover



5. Install the add-on card by inserting it into the expansion slot and secure it with the screw from the expansion slot cover.

Installing an add-on card



6. Attach any internal cables that the card requires. See the instructions supplied with the add-on card.
7. Replace the side panel. See About Closing the Computer.
8. Reconnect the power cord and all peripheral devices.
9. Turn on the computer.

Installing Memory

The amount of preinstalled memory may vary, depending on the system configuration you purchased. Your computer may ship with all available memory slots filled. For memory replacement or upgrades, use the correct memory module for your computer's configuration. See the online *Specifications* sheet for details about the amount of memory installed in your computer.

You can purchase additional memory modules, accessories, and peripheral equipment from your local retailer.

Observe the proper safety precautions when you add or remove the memory in your computer. See Before upgrading your computer.

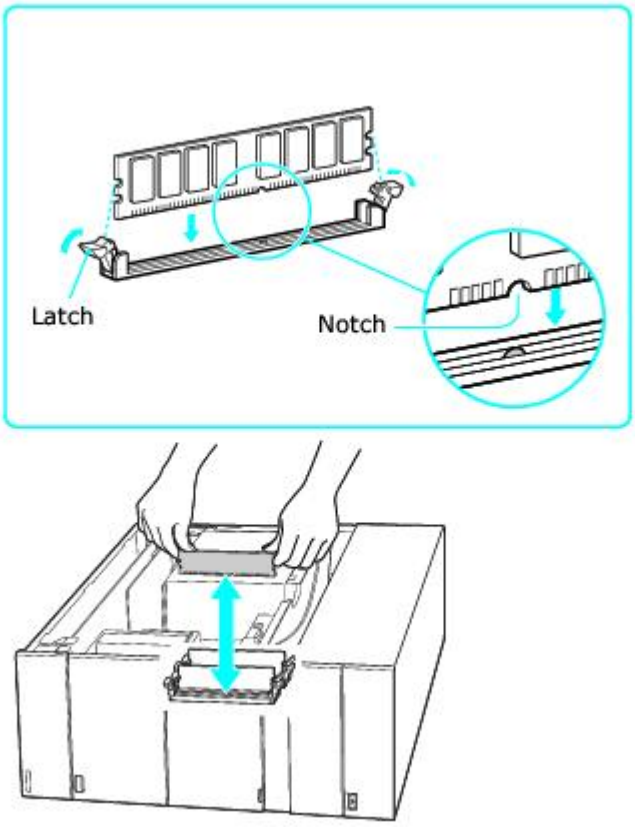
Removing a memory module

1. Shut down your computer and turn off all peripheral devices, such as your printer.
2. Unplug your computer and all peripheral devices.
3. Gently place the unit on its side and remove the side panel. See About Opening the Computer.

   If necessary, remove any cables, add-on cards, or other components to access the memory module slots.
4. Locate the memory module(s) you wish to remove.
5. Push down on the latches, located on both sides of the module, to gently eject it from the slot.
6. Grasp one edge of the module and lift it out. Store the module in a static-free bag.

Gently handle the memory module by the sides only. Avoid touching the pins located at the bottom edge of the module.

Removing/Installing memory



Installing a memory module

1. Shut down your computer and turn off all peripheral devices, such as your printer.
2. Unplug your computer and any peripheral devices.
3. Gently place the unit on its side and remove the side panel. See About Opening the Computer.

   If necessary, remove any cables, add-on cards, or other components to access the memory module slots.
4. Remove the memory module from its anti-static package, handling it by the the edges.
5. Locate the notch on the bottom edge of the module and align it over the open memory slot.
6. Firmly insert the bottom edge of the memory module into the slot.
7. Press down evenly against the module's upper corners. The end latches snap into position, holding the module in place.

   To avoid damaging a memory module slot, move the end latches slightly outward to relieve pressure. The module clicks into place.
8. Reinstall any components or add-on cards you may have removed.
9. Replace the side panel. See About Closing the Computer.

About the Lithium Battery

The lithium battery starts to weaken after several years and the system settings, such as the date and time stored in CMOS RAM, may become inaccurate. Replace the lithium battery when this occurs.

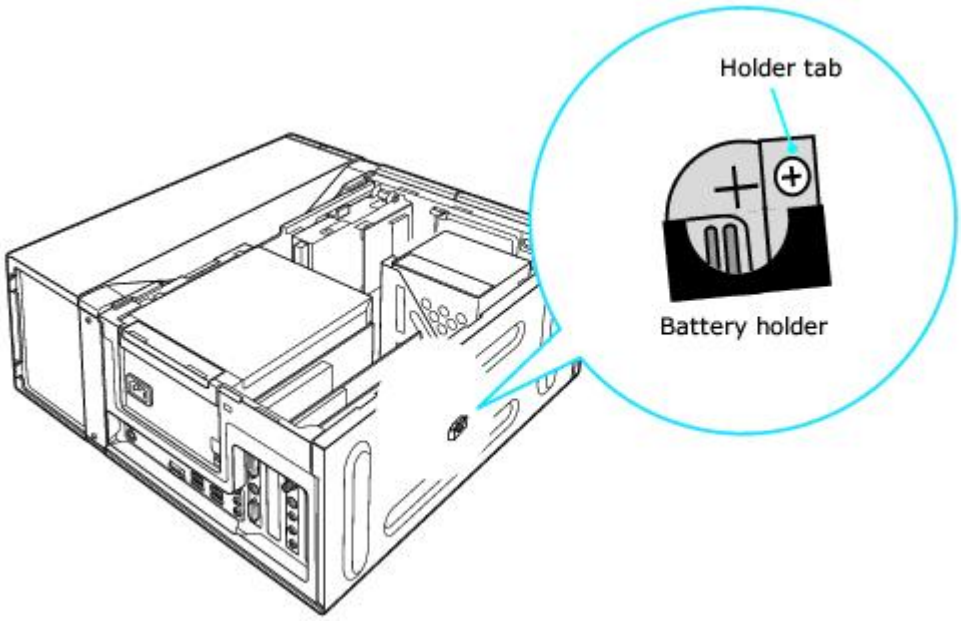
There is danger of the battery exploding if it is replaced incorrectly. Replace the battery only with a CR2032-type lithium battery.

Replacing the lithium battery

1. Write down any changes you may have made to the settings in the BIOS Setup utility.
2. Shut down your computer and turn off all peripheral devices, such as your printer.
3. Unplug your computer and the peripheral devices.
4. Gently place the unit on its side and remove the side panel. See About Opening the Computer

   If necessary, remove any cables, add-on cards, or other components to access the lithium battery.
5. Gently push the battery holder's tab away from the battery and remove the battery from the holder.
6. Install the new battery with the plus (+) side facing the battery holder tab.

Installing a lithium battery



7. Replace the side panel. See About Closing the Computer.

The values stored in the CMOS memory are now reset to the factory default values. Run the Setup utility to reset the date, time, passwords, and other changes you may have made to the BIOS settings. If you do not wish to customize your BIOS settings, do not run the Setup utility.

Dispose of the lithium battery properly. In some areas, the disposal of lithium batteries in household or business trash may be prohibited. You can return your unwanted lithium batteries to your nearest Sony Service Center or Factory Service Center. To locate a Service Center near you, visit the Sony Online Support Web site at http://www.sony.com/pcsupport.

Resetting the computer's date and time

To reset your computer's date and time:

1. Double-click the time readout displayed in the Windows® Taskbar Notification area. The Date and Time properties window appears.

2. From the Date & Time tab, change the settings as desired. Click **Apply**, and then click **OK**.

About Hard Disk Drive Installation

Your computer comes with an available internal bay to hold a second standard 3½-inch hard disk drive. Some models, such as Configure-to-Order (CTO) systems, may already have additional hard disk drives installed.

✍ The hard disk drive access light blinks when either internal hard disk drive is active.

Replacing the original hard disk drive

If you replace the original, factory-installed hard disk drive, you may need to correct your drive mapping, create a VAIO Recovery Media Kit, or visit the Sony Online Support Web site for more information.

About drive mapping

When a new hard disk drive is installed, the original drive mapping[1] may be changed. The identified drives, including those for removable media[2], may not reflect correct drive/icon associations. For more information on how to correct your drive mapping, visit the Sony Online Support Web site at http://www.sony.com/pcsupport.

About hard disk drive recovery

When you replace the original hard disk drive, the preinstalled VAIO Recovery Wizard utility program cannot restore the drive partitions, operating system, or original software programs. Before replacing the hard disk drive, create a VAIO Recovery Media Kit or purchase a kit from Sony.

Your VAIO® computer is not supplied with System or Application Recovery CDs. Use the VAIO Recovery Wizard utility to recover your computer's operating system and preinstalled software programs.

For more information about the VAIO Recovery Wizard utility program:

1. Click **Start** from the Windows® taskbar, and then click **Help and Support**.
2. From the **VAIO Help and Support Center**, click **VAIO Recovery Options**.

Observe the proper safety precautions when you upgrade your Sony computer. See Before upgrading your computer.

[1] Drive mapping refers to the assignment of an identifying letter to a specific drive, such as Drive C or Drive D which identify the original hard disk drive.

[2] Your computer may be equipped with other media drives, such as a Memory Stick®, SD media, CompactFlash®, or Microdrive media slot. See the online Specification sheet for more information about your computer's hardware configuration.

Installing an additional hard disk drive

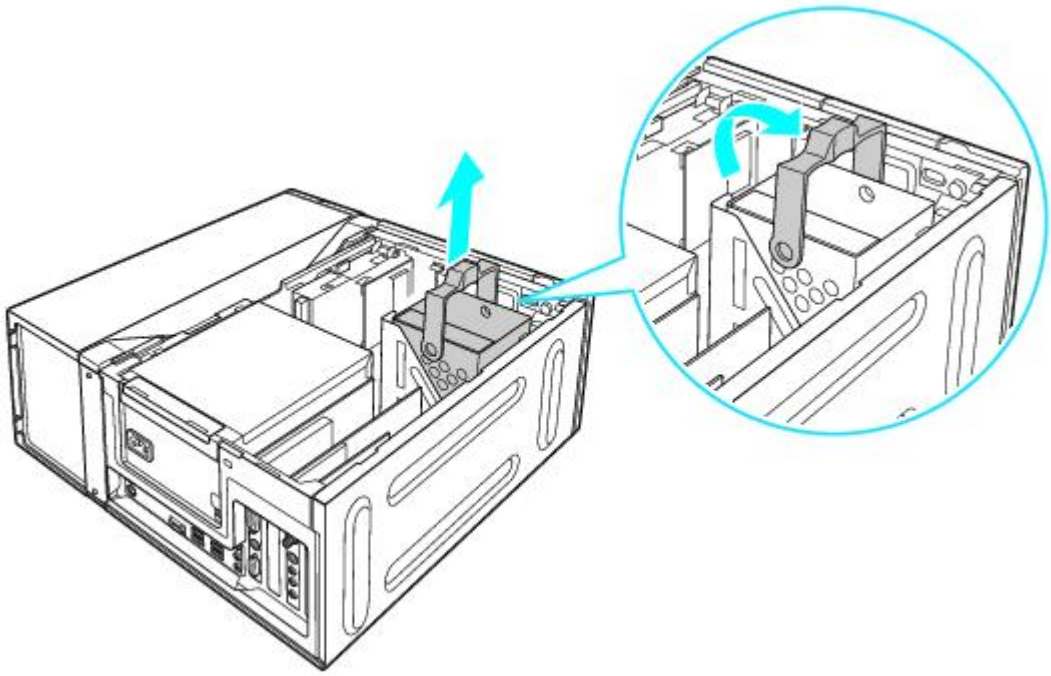
1. Shut down your computer and turn off all peripheral devices, such as your printer.
2. Unplug your computer and any peripheral devices.
3. Gently place the unit on its side and remove the side panel. See About Opening the Computer.

Certain VAIO computers require you to configure the jumpers on the new drive as a slave. Follow the configuration instructions supplied with your new hard disk drive.

If your computer has a Serial ATA (SATA) hard disk drive, you do not need to configure the new drive. See your computer's specifications sheet for details about the installed hard disk drive.

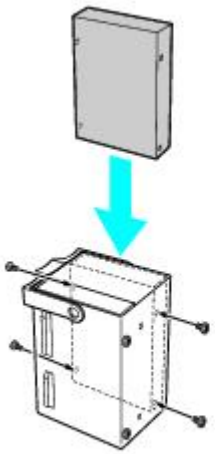
4. Detach the power and drive cables from the original hard disk drive that is preinstalled in your computer.
5. Unlock the drive holder from the chassis by lifting the drive holder handle straight out from the unit.
6. Use the handle to slide the drive holder out.

Removing the drive holder



7. Slide the new drive into the drive holder and align the holes on each side of the drive bay.
8. Secure the drive to the drive holder with screws, through the holes on each side of the drive holder.

Attaching the drive screws



Your new hard disk drive is supplied with the necessary screws. Do not overtighten these screws when securing the drive to the drive holder.

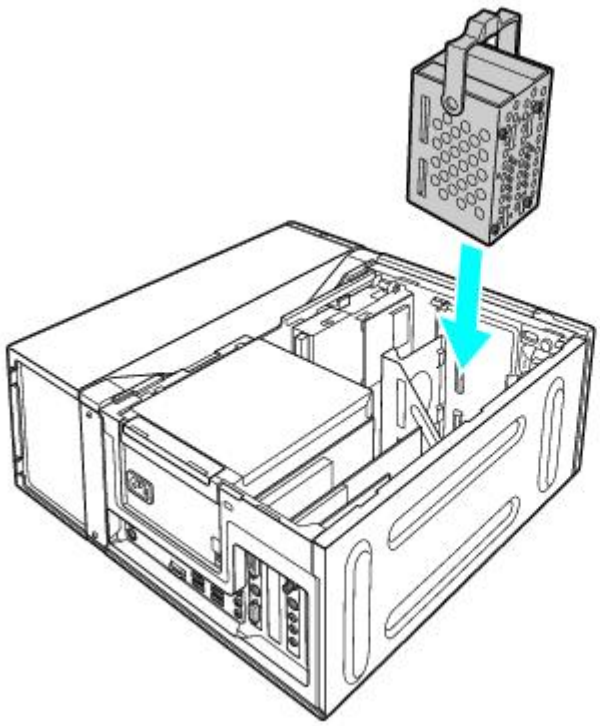
9. Align the drive holder with the tracks on the inside of the chassis. Slide the drive holder in completely.

10. Push the drive holder handle down to lock the drive into position.

11. Connect the second drive connector to the new drive. Orient the connector to align pin 1 on the red side of the ribbon cable with pin 1 on the new drive.

12. Connect the second power connector to the new drive following the instructions supplied with the drive.

Replacing the drive holder



13. Replace the side panel. See About Closing the Computer.

14. Reconnect the power cord to your computer.

Identifying the additional hard disk space

When you initialize the new hard disk, it must be configured as an extended partition in Windows NT file system (NTFS) format.

1. Log on to Windows® as Administrator.
2. Click **Start** in the Windows taskbar, then right-click **My Computer**. A shortcut menu appears.
3. Select **Manage**. The Computer Management window appears.
4. Under the file directory on the right, go to **Storage** and then select **Disk Management**.
5. Right-click on the newly installed, unformatted hard disk (disk label identified with red marking). From the shortcut menu, select **Initialize Disk**.
6. Click on the Unallocated area of the disk and then right-click to display a shortcut menu.
7. Select **New Partition**. The New Partition wizard appears.
8. Follow the wizard's on-screen instructions to complete the process.

The Windows® XP operating system recognizes the new hard disk drive and applies the NTFS format.

Troubleshooting

This section describes how to troubleshoot common problems. You can also find helpful information on how to use your computer's hardware features and preinstalled software. Your computer may not be equipped with all of the features or software discussed in this section, depending on the system configuration purchased.

- About VAIO Computer Functions
- About Using the Optical Disc Drive(s)
- About Media Center
- About the Mouse and Keyboard
- About the Modem
- About the Speakers
- About Using a Microphone
- About Using Peripheral Equipment

My computer does not start.

- Verify that the computer is plugged into a power source and that it is turned on. Check that the power indicator is lit on the front panel of the computer.
- Confirm that a disk is not in the floppy disk drive[1] (unless you are using a bootable floppy disk).
- Confirm that a CD is not in an optical drive (unless you are using a bootable CD).
- Confirm that the power cord and all cables are connected firmly.
- If you plugged the computer into a power strip or Uninterruptible Power Supply (UPS), make sure the power strip or UPS is turned on and working.
- Verify that the monitor is plugged into a power source and turned on.

  If your system has a built-in monitor, confirm that it is plugged into an appropriate power source and that the system is turned on.
- Verify that the brightness or contrast control dials are adjusted correctly. (See the manual supplied with your display for details.)
- Confirm that the computer is not in Stand by mode by pressing any key on the keyboard.

[1] Certain VAIO computers are not equipped with a floppy disk drive. You can purchase this equipment separately.

My computer does not start.

- Verify that the computer is plugged into a power source and that it is turned on. Check that the power indicator is lit on the front panel of the computer.
- Confirm that a disk is not in the floppy disk drive[1] (unless you are using a bootable floppy disk).
- Confirm that a CD is not in an optical drive (unless you are using a bootable CD).
- Confirm that the power cord and all cables are connected firmly.
- If you plugged the computer into a power strip or Uninterruptible Power Supply (UPS), make sure the power strip or UPS is turned on and working.
- Verify that the monitor is plugged into a power source and turned on.

  If your system has a built-in monitor, confirm that it is plugged into an appropriate power source and that the system is turned on.
- Verify that the brightness or contrast control dials are adjusted correctly. (See the manual supplied with your display for details.)
- Confirm that the computer is not in Stand by mode by pressing any key on the keyboard.

[1] Certain VAIO computers are not equipped with a floppy disk drive. You can purchase this equipment separately.

What can I do if my computer or software stop responding?

You can try to locate and close the software program that has stopped responding.

1. Press the **Ctrl+Alt+Delete** keys. The **Windows Task Manager** window appears.
2. From the Applications tab, locate the software program that has the status message, "**Not responding**."
3. Select the software program that has a **Not Responding** status and click **End Task**. Windows attempts to close the program.

If your computer does not respond or the software program does not close:

1. Save and close any open files, if possible.
2. Press the **Alt+F4** keys. The **Shut Down Windows**[1] window appears.
3. Click the drop-down list box and select **Restart**.
4. Click **OK**. The computer turns off and restarts.

If the **Shut Down Windows** window does not appear:

1. Press **Ctrl+Alt+Delete**. The **Windows Task Manager** window appears.
2. Click **Shut Down**.
3. Restart your computer.

If your computer still does not respond and you cannot restart, shut down your computer by pressing and holding the power button for more than six seconds.

If the software program continues to stop responding or causes your computer to stop responding, contact the software publisher or designated technical support provider.

Pressing and holding the power button for more than six seconds may result in the loss of data from files that are currently open.

[1] The window text displayed may vary.

Why does the Windows operating system stop responding during shutdown?

The Windows operating system may not shut down properly for many reasons, including incompatible or conflicting drivers, damaged files, or non-responsive hardware. For troubleshooting information, you can search Windows Help.

1. Click **Start** in the Windows taskbar and select **Help and Support**. The **VAIO Help And Support Center** menu appears.

2. Select **Fixing a Problem** and then select **Startup and Shut Down problems**. A list of specific problem topics appears on the right side of the window.

3. Select **Startup and Shutdown Troubleshooter**. Follow the on-screen instructions according to your specific situation.

Why is my system running slowly?

- The system responsiveness varies depending with the number of software programs that are open and running. Close any programs that you are not currently using.
- Increasing the system memory may also help. For information on installing memory, please see the online VAIO User Guide.

  To access the online User Guide:

  1. Click **Start** in the Windows taskbar, and then click **Help and Support**.
  2. From the **VAIO Help And Support Center** menu, click **VAIO User Guide**.

How do I change the video resolution of my display?

1. Click **Start** in the Windows taskbar, and then select **Control Panel**.
2. Select **Appearance and Themes**, and then select **Change the screen resolution**.
3. Click the **Settings** tab.
4. Change the Screen resolution and Color quality to the desired levels.
5. Click **Apply** and then click **OK**.

Why doesn't my computer resume normal operation from Stand by mode?

- If your keyboard has a Stand by key , press it briefly to resume normal operation.
- If your keyboard is not equipped with a Stand by key, press any key to resume normal operation.
- For troubleshooting information, you can search Windows Help.

1. Click **Start** in the Windows taskbar and select **Help and Support**. The **VAIO Help And Support Center** menu appears.
2. Select **Fixing a Problem** and then select **Startup and Shut Down problems**. A list of specific problem topics appears on the right side of the window.
3. Select **Startup and Shutdown Troubleshooter**. Follow the on-screen instructions according to your specific situation.

About System Security

This section provides information about keeping your computer operating smoothly and protecting against potential threats to your system security.

How can I protect my system against security threats, such as viruses?

The Microsoft® Windows® operating system is preinstalled on your computer. The best way to protect your computer against security threats, such as viruses, is to download and install the latest Windows updates regularly.

You can get important Windows updates by doing one of the following:

- **The Automatic Updates** feature — This feature automatically searches for and delivers updates directly to your computer whenever you are connected to the Internet.
- **The Windows Updates Web site** — This site enables you to download computer updates without turning on the **Automatic Updates** feature.

Your computer must be connected to the Internet before you can receive updates.

To use the Automatic Updates feature

1. Connect to the Internet.
2. Click the **Automatic Updates** icon in the Taskbar notification area.

   The **Automatic Updates Setup Wizard** appears.
3. Click **Next**, and follow the on-screen instructions to set up automatic or scheduled updates.

To visit the Windows Updates Web site

1. Connect to the Internet.
2. Type http://windowsupdate.microsoft.com/ in the address bar of your browser.

   The **Microsoft Windows Update** and **Security Warning** windows appear.
3. In the **Security Warning** window, click **Yes** to install and run Windows Update.
4. In the **Microsoft Windows Update** window, click **Scan for updates**, and follow the on-screen instructions.

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3. In the **Security Warning** window, click **Yes** to install and run Windows Update.
4. In the **Microsoft Windows Update** window, click **Scan for updates**, and follow the on-screen instructions.

What is the best way to set up firewall protection for my computer?

Using firewall protection is an important way to protect your computer from security threats that may occur when your computer is connected to the Internet. Your computer's preinstalled Microsoft® Windows® operating system has a built-in Internet Connection Firewall (ICF) feature that you can use to protect your computer.

Using the ICF feature may interrupt the file and print sharing features for preinstalled networking software programs, such as VAIO Media software. As an alternative, Sony suggests installing a router as a hardware-based firewall solution. A router box protects your computer and allows your network to run without interruption.

To disable the ICF feature

1. Click **Start** in the Windows® taskbar, and then click **Control Panel**.
2. Click **Network and Internet Connections**.
3. Click **Network Connections**.
4. In the section, **LAN or High-Speed Internet**, right-click the icon of the connection you want to protect.

   A shortcut menu appears.
5. Select **Properties** from the shortcut menu.
6. On the **Advanced** tab, under **Internet Connection Firewall**, clear the check box for **Protect my computer and network by limiting or preventing access to the computer from the Internet**.
7. Click **OK** to disable the ICF feature.

How do I keep my preinstalled antivirus software updated?

You can keep the preinstalled Norton Internet Security software program current with the latest updates from Symantec Corporation.

To download and install the latest security update

1. Double-click the **Norton Internet Security** icon in the Taskbar notification area.

   If you have not previously registered the antivirus software, a series of information wizards appear.

   1. Follow the on-screen instructions to complete each wizard
   2. Double-click the **Norton Internet Security** icon again.

      The **Norton Internet Security** window appears.

   If you have previously registered this antivirus software, the **Norton Internet Security** window automatically appears.

2. Click **Live Update**, located near the top of the window.
3. Follow the on-screen instructions to select and download updates.

About Media Center

The Microsoft® Windows® XP Media Center Edition operating system is not installed on all VAIO Digital Studio® computers. See your online specifications sheet for more information about your computer's configuration.

Why doesn't the REW button on the remote control work when I use My Music?

The REW button does not "rewind" music files. Instead, press Replay on your remote control for a similar function.

About Media Center

The Microsoft® Windows® XP Media Center Edition operating system is not installed on all VAIO Digital Studio® computers. See your online specifications sheet for more information about your computer's configuration.

Why doesn't the REW button on the remote control work when I use My Music?

The REW button does not "rewind" music files. Instead, press Replay on your remote control for a similar function.

Why aren't the song information edits I made using SonicStage software shown in My Music?

If you record a song in OpenMG ATRAC format and make edits, such as title, artist, or genre, using SonicStage software, the changes become visible when the music file is played in My Music. If you make changes to a music file using Media Center, the changes are not visible when played in SonicStage software.

Why do my song information edits revert to the original content when I use My Music?

When you record songs with SonicStage software, and then use Windows® Media Player software to edit the song's information, you may not see your changes when you play the song in My Music. Windows Media Player supports playback of songs recorded in OpenMG (ATRAC3 or ATRAC3+) format, but does not support any edits made to the OpenMG format music files. Use SonicStage software to edit song information for music files that are recorded in OpenMG format.

Why do my optimized music files take so long to appear in My Music?

When you use SonicStage software to optimize music files to ATRAC3 or ATRAC3+ format, it may take a few moments for the music files to be available in My Music. To access these files sooner, start Windows Media Player software first, and then play the song with My Music.

Why do I get the error message, "The input media is invalid" when I try to play an MP3 file in My Music?

If you have added cover art to the MP3 file using SonicStage software, your file may contain an unsynchronized ID3v2 header. Media Center and Windows Media Play software programs cannot support playback of this file.

You can go to Microsoft® and download a patch to resolve this issue[1], as follows:

1. Go to http://support.microsoft.com.
2. Enter **814129** in the **Search the Knowledge Base** text box.
3. Click on the topic, **FIX: Error in Windows Media Player 9 Series When You Play Specific MP3 Files** located in the **Summaries: Search Results** area.
4. Follow the on-screen instructions to download and install the patch.

[1] The location of this information is subject to change or be removed without prior notice.

Why won't My Music show the albums (playlists) I recorded with SonicStage software?

Playlists (albums) recorded with SonicStage software may not be immediately available in the Media Center Album window. To access these files sooner, start Windows® Media Player software first, and then play the song with My Music.

Why did my Click to DVD software recording session capture television instead of video?

If Media Center starts a scheduled TV recording while you are capturing analog video with Click to DVD® software, the TV programming may be captured instead of the video and the timed recording may fail. Media Center and the analog capture feature of Click to DVD software both require the use a TV tuner/MPEG encoder card and cannot access the card at the same time.

To avoid recording conflicts:

- Do not open Media Center while capturing analog video using Click to DVD or Click to DVD Automatic Mode software.
- Do not schedule a TV recording to start while capturing analog video, using Click to DVD or Click to DVD Automatic Mode software. If a scheduled TV recording is already set, cancel it or postpone the analog recording until the scheduled TV recording has finished.

Why can't I view or record a movie when my computer is connected to an external device, such as a VCR or DVD player, or when I am using an analog input connection?

If you see a blue background in the View window, the movie may be copyright-protected. Your computer is not able to display or record a video or DVD that is copyright-protected by Macrovision or CGMS-A (Copy Generation Management System - Analog). Media Center software does not support recording a movie using analog input from external devices, such as a VCR, DVD player, or Digital video camera.

Why can't I fast forward or rewind a video?

The rewind and fast forward features are not supported by all video formats. Try using the Skip or Replay buttons, which provides a similar function.

How do I use the Media Center software or remote control to adjust my monitor when viewing TV programs?

Media Center software and remote control do not have video adjustment capability. Use the controls on the monitor to adjust video settings, such as contrast, hue, and brightness. See the information provided with your monitor for instructions on adjusting its video controls.

My computer freezes and restarts while I'm watching a DVD or live TV. What do I do?

Verify that the monitor refresh rate is set to 60 Hz, using the following steps:

1. Right-click on the desktop, and click **Properties** from the shortcut menu.

   The **Display Properties** window appears.

2. Click the **Settings** tab, and then click **Advanced**.

3. Click the **Monitors** tab, and in the **Monitor settings** box, confirm the screen refresh rate is set to 60 Hertz.

4. If the refresh rate is not set to 60 Hz, click the drop-down arrow, and select **60 Hertz**.

About Using the Optical Disc Drive(s)

Your computer may not be equipped with all of the hardware features listed in this section. To view the specific hardware configuration for your system, see the specifications sheet for your computer on the Sony Online Support Web site at http://www.sony.com/pcsupport.

Why doesn't my optical drive tray open?

To use the Eject button

1. Make sure the computer is turned on.
2. Press the Eject button on the drive.

To use the My Computer icon

1. Click **Start** in the Windows taskbar, then select **My Computer**.
2. Right-click the appropriate optical drive icon.
3. Select **Eject** from the shortcut menu.

Avoid using adhesive labels to identify your CD or DVD media. Adhesive labels may come off while the CD or DVD media is in use in your optical drive(s) and may cause damage to the unit.

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2. Right-click the appropriate optical drive icon.
3. Select **Eject** from the shortcut menu.

Avoid using adhesive labels to identify your CD or DVD media. Adhesive labels may come off while the CD or DVD media is in use in your optical drive(s) and may cause damage to the unit.

Why can't I play a DVD or CD media?

- After inserting your CD or DVD, wait a few seconds for the system to detect it before trying to access it.
- Confirm that the disc is in the tray with the label side facing up.
- Install your CD or DVD software according to the manufacturer's instructions.
- If your drive reads some DVDs or CDs but not others, check the shiny side of the disc for dirt or scratches.
- The preinstalled CD or DVD software may not be working properly. To recover this software, see the online guide *VAIO Recovery Options* for more information.

  To access *VAIO Recovery Options*, follow these steps:

  1. Click **Start** in the Windows® taskbar and click **Help and Support**.
  2. From the **VAIO Help And Support Center** menu, click **VAIO Recovery Options**.

Why isn't my DVD playing properly?

- If a region code warning appears when you are using a DVD player software program, it may be that the region code of the DVD you are trying to play is incompatible with the region code setting of your optical drive. A region code is listed on the disc packaging. Region code indicators such as "1" or "ALL" are labeled on some DVDs to indicate the type of player that can play the disc. Unless a "1" or "ALL" appears on the DVD or on its packaging, you cannot play the disc on this system.

- If you hear audio but cannot see video, your computer's video resolution may be set too high. To improve video resolution, verify that your screen area is set to 1024 x 768[1], using 32-bit color (preset factory default). To verify or change your video resolution:

    1. Click **Start** in the Windows taskbar and then select **Control Panel**.
    2. Select **Appearance and Themes**, then select **Change the screen resolution**.
    3. Click the **Settings** tab.
    4. Change the **Screen resolution** and **Color quality** to the desired levels.
    5. Click **Apply** and then click **OK**.

- If you see video but cannot hear audio, check all of the following:

    1. Verify that your DVD player's mute feature is turned off.
    2. Check the master volume setting in the Audio Mixer.
    3. Check the volume settings on your computer speakers.
    4. Check the connections between your speakers and the computer.
    5. Verify that devices and/or drivers are installed properly, by following these steps:
        1. Click **Start** in the Windows taskbar, then select **Control Panel**.
        2. Click **Performance and Maintenance** and then click **Systems**. The **System Properties** window appears.
        3. From the **Hardware** tab, select **Device Manager** to view the status of connected or installed devices.
        4. If a listed device appears with a question mark or exclamation mark, you may need to troubleshoot the device or reinstall the driver.
    6. A dirty or damaged disc may also cause the computer to stop responding while it tries to read the disc. If necessary, remove the disc and check that it is not dirty or damaged.
    7. The preinstalled CD or DVD software may not be working properly. For information about recovering preinstalled software, see the online guide *VAIO Recovery Options*.

[1] The default video resolution settings may vary between different VAIO® computer models.

Why doesn't my mouse work properly?

- Confirm that the mouse is plugged securely into the mouse port. If you are using a USB mouse, verify that the mouse is plugged securely into the appropriate USB port.
- Save and close all open software programs. Turn off your computer, wait approximately 10 seconds, and then restart your computer.
- The mouse driver(s) may not be working properly.

Using an optical mouse

If you are using an optical mouse[1], use an appropriate surface to ensure proper mouse tracking. A good surface requires a certain amount of detail or texture to enable mouse tracking.

- Use surfaces such as plain paper, card stock, or fabric that do not have a lot of repetitive patterning.
- Avoid surfaces such as mirrors, smooth glass, or magazines.
- Avoid possible damage to easily-scratched surfaces by using a mouse pad.
- Avoid surfaces that may damage or soil your optical mouse. Dirt or damage may cause the mouse to malfunction.
- If the cursor is not moving properly, try using the mouse on another surface or using a mouse pad.

Using a standard ball mouse

If you are using a standard ball mouse, there may be dust or dirt inside the mouse mechanism. To clean the mouse, follow these steps:

1. Save and close all software programs, and turn off your computer.
2. Turn the mouse upside down.
3. Remove the mouse ball cover on the back of the mouse by turning clockwise the ring that covers the mouse ball.
4. Turn the mouse upright, and drop the mouse ball into your hand.
5. Using a piece of tape, remove any dust or dirt on the mouse ball and inside the mouse ball socket.
6. Return the mouse ball to the socket, and replace the mouse ball cover. Secure the cover by turning the ring counter-clockwise.

Using a wireless optical mouse

If you are using a wireless optical mouse:

- Confirm that the supplied AA batteries are properly installed.
- Press the **CONNECT** button on the mouse and the computer to reestablish the connection between the two devices.
- Verify the infrared receiver on the computer's front panel is free of obstructions that may prevent proper operation.
- Avoid using radio-controlled toys or equipment, CB radios, and other wireless devices in the area near your wireless mouse. These devices may cause interference, causing your mouse to stop working properly.
- Do not place metal furniture near your computer or wireless mouse, as this may create interference, causing your mouse to stop working properly.

[1] For wireless or standard optical mice.

Why doesn't my mouse work properly?

- Confirm that the mouse is plugged securely into the mouse port. If you are using a USB mouse, verify that the mouse is plugged securely into the appropriate USB port.
- Save and close all open software programs. Turn off your computer, wait approximately 10 seconds, and then restart your computer.
- The mouse driver(s) may not be working properly.

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Using a wireless optical mouse

If you are using a wireless optical mouse:

- Confirm that the supplied AA batteries are properly installed.
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- Verify the infrared receiver on the computer's front panel is free of obstructions that may prevent proper operation.
- Avoid using radio-controlled toys or equipment, CB radios, and other wireless devices in the area near your wireless mouse. These devices may cause interference, causing your mouse to stop working properly.
- Do not place metal furniture near your computer or wireless mouse, as this may create interference, causing your mouse to stop working properly.

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How do I set up my mouse for left-hand use?

1. Click **Start** in the Windows taskbar, then click **Control Panel**.
2. Click **Printers and Other Hardware**, then click **Mouse**. The **Mouse Properties** dialog box appears.
3. From the **Buttons** tab, select **Switch primary and secondary buttons** under the **Button Configuration** options.
4. Click **Apply**, then click **OK**.

Why doesn't my keyboard work properly?

- Check that the keyboard[1] is securely plugged into the keyboard port.
- Save and close all open software programs. Turn off your computer, wait approximately 10 seconds, and then restart your computer.
- If you are using a wireless keyboard:
  - Confirm that the supplied AA batteries are properly installed. For proper installation of the AA batteries, see the documentation supplied with your equipment.
  - Press the **CONNECT** button on the keyboard to reestablish the connection between the two devices.
  - Verify the infrared receiver on the computer's front panel is free of obstructions that may prevent proper operation.
  - Avoid using radio-controlled toys or equipment, CB radios, and other wireless devices in the area near your wireless keyboard. These devices may cause interference, causing your keyboard to stop working properly.
  - Do not place metal furniture near your computer or wireless keyboard, as this may create interference, causing your keyboard to stop working properly.

[1] The VAIO "W" series computer has a built-in keyboard.

Why is my modem connection slow?

Many factors can influence modem connection speed, such as:

- Telephone line noise.
- Incompatibility with other telephone equipment such as fax machines or other modems.
- Internet Service Providers (ISP) connection capability may vary.

If you think your modem is not connecting properly to other PC-based modems, fax machines, or your ISP, check the following:

- Contact your telephone company and ask them to verify that your telephone line is free from line noise.
- If your problem is fax-related, check that there are no problems with the fax machine you are calling and that it is compatible with fax modems.
- For optimum performance, verify that your ISP point of presence (POP) telephone number is compliant with V.90 standards.
- If you are having a problem connecting with your ISP, check that they are not experiencing technical problems.
- Try connecting your modem through another telephone line, if available.

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- For optimum performance, verify that your ISP point of presence (POP) telephone number is compliant with V.90 standards.
- If you are having a problem connecting with your ISP, check that they are not experiencing technical problems.
- Try connecting your modem through another telephone line, if available.

Why doesn't my modem work properly?

Your modem may be experiencing equipment or software conflicts. If your modem is not functioning properly, check the following:

- Check that the telephone line is plugged into the modem line jack.
- Check that the telephone line is working properly. You can verify the line by plugging in an external device such as a standard telephone or fax machine and listening for a dial tone.
- Check that the access telephone number (POP) is correct.
- All software programs that are preinstalled by Sony are compatible with your computer's modem. If you have installed other software, contact the software publisher for information on how to configure the software in order to recognize the modem.
- If it appears that your modem is not functioning properly, check the device status.

    1. Click **Start** in the Windows taskbar, then click **Control Panel**.
    2. Click **Printers and Other Hardware** and then select **Phone and Modem Options**.
    3. From the **Modems** tab, click to select your modem.
    4. Click **Properties**. The **Modem Properties** window appears.
    5. Review the information in the **Device status** section. If your modem is not working properly, click the **Troubleshoot** button. The **Help and Support Center** window appears.
    6. Follow the on-screen instructions to resolve the problem.

- The modem driver(s) may not be working properly.

How do I change my modem to rotary or touch-tone dialing?

1. Click **Start** in the Windows taskbar, then click **Control Panel**.
2. Click **Printers and Other Hardware**, then click **Phone and Modem options**.
3. From the **Dialing Rules** tab, click **Edit**. The **Edit Location** dialog box appears.
4. Select the **Tone** or **Pulse** option. Click **OK**.

How do I set up a dial-up connection?

After you have connected your computer's modem cable, follow these steps to set up your dial-up connection to the Internet:

1. Click **Start** from the Windows taskbar and select **All Programs**.
2. Point to **Accessories**, point to **Communications**, and then click **New Connection Wizard**. The **New Connection Wizard** appears.

   ✍ The **Location Information** and the **Phone and Modem Options** windows appear when using your computer for the first time. Enter your information as requested and continue to the **New Connection Wizard** window.

3. Follow the on-screen instructions to finish setting up your dial-up connection.

About the Speakers

Why is there no sound in any software program?

- Check that the speakers are plugged into the Headphones jack.
- If your speakers have a mute button, verify that it is turned off.
- If your speakers are powered by batteries, verify that the batteries are inserted properly and that they are charged.
- If your speakers use an external power source, verify that the power cord is plugged into a grounded wall outlet or power strip.
- If your speakers have volume control, check the volume level.
- You may not hear sound from your speakers if headphones are connected to your computer.
- If the software program you are using has its own volume control, check that the volume is turned up.
- Check the volume controls in the Windows® operating system using these steps:

  1. Click **Start** in the Windows taskbar, then select **Control Panel**.
  2. Select **Sounds, Speech, and Audio Devices**, then click **Adjust the system volume**.
  3. From the **Volume** tab, adjust the Device volume by moving the slider bar to the desired sound level. Verify that the **Mute** option is not selected.

- Check that the **Mute** check box is not selected in the **Volume Control** window.
- The sound driver(s) may not be working properly.

For PCV-W series models

1. Adjust the volume control dial, located on the left panel, to adjust speaker volume.
2. The speakers continue to produce sound while headphones are connected. To use your own headphones, adjust the computer's volume control dial, to mute the sound from the built-in stereo speakers.

For PCV-V series models

Adjust the speaker volume by pressing the volume control buttons located on the wireless keyboard.

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  3. From the **Volume** tab, adjust the Device volume by moving the slider bar to the desired sound level. Verify that the **Mute** option is not selected.

- Check that the **Mute** check box is not selected in the **Volume Control** window.
- The sound driver(s) may not be working properly.

For PCV-W series models

1. Adjust the volume control dial, located on the left panel, to adjust speaker volume.
2. The speakers continue to produce sound while headphones are connected. To use your own headphones, adjust the computer's volume control dial, to mute the sound from the built-in stereo speakers.

For PCV-V series models

Adjust the speaker volume by pressing the volume control buttons located on the wireless keyboard.

About Using a Microphone

Why doesn't my microphone work properly?

Check that the microphone is plugged into the Microphone jack.

About Using a Microphone

Why doesn't my microphone work properly?

Check that the microphone is plugged into the Microphone jack.

Why is my microphone so sensitive to background noise?

If you find there is too much background noise when you record sound, you should adjust the microphone by following these steps:

1. Click **Start** in the Windows taskbar, then click **Control Panel**.
2. Click **Sounds, Speech, and Audio Devices**, then click **Sounds and Audio Devices**.
3. From the **Audio** tab, locate the **Sound recording** section and click **Volume**. The **Recording Control** dialog box appears.

   If the volume control for the microphone is visible, skip to step 6.
4. Select the **Options** menu and click **Properties**. The **Properties** dialog box appears.
5. In the section, **Show the following volume controls**, click to select the **Microphone** check box. Click **OK**.
6. From the **Recording Control** dialog box, decrease the microphone volume level by moving the slider bar down.
7. Close the **Recording Control** dialog box and then close the **Sounds and Audio Devices Properties** window.

How do I install a printer?

- Connect your USB or IEEE 1394 printer to the appropriate port on your computer's front, back or side panels[1]. If your printer has a USB, IEEE 1394, or infrared connection, contact the printer manufacturer for information or updates that may be required for proper installation.
- Check the printer manufacturer's Web site for the latest drivers for your operating system before proceeding with installation. Some printers do not function properly without the updated drivers for specific operating systems.
- To install your printer, follow these steps:

  1. Click **Start** in the Windows taskbar, then click **Control Panel**.
  2. Click **Printers and Other Hardware**, then click **Add a Printer**.

     The **Add Printer Wizard** appears.
  3. From the **Add Printer Wizard**, click **Next**.
  4. Select **Local Printer**, then click **Next**.

     Place a check mark in the box, **Automatically detect and install my Plug and Play printer**, if you are installing a recently manufactured printer equipped with Plug and Play capability.
  5. Select the appropriate port, usually LPT1 if using the parallel port, and then click **Next**.
  6. Select the appropriate printer manufacturer and model.
  7. Follow the on-screen instructions to print a test page and complete printer installation.

- If the printer is not included in the list, but the printer manufacturer provides a disk with the appropriate Windows XP Printer driver:

  1. Choose **Have Disk**.
  2. Enter the appropriate path for the disk or CD, and click **OK**.

- If the printer is not included in the list, and no drivers are provided with the printer:

  1. Select a similar printer that your printer may emulate.
  2. Refer to the user manual or guide supplied with your printer.
  3. Visit the printer manufacturer's Web site for technical support.

[1] The location of the connection ports for peripheral equipment may vary, depending upon your computer's hardware configuration.

How do I install a printer?

- Connect your USB or IEEE 1394 printer to the appropriate port on your computer's front, back or side panels[1]. If your printer has a USB, IEEE 1394, or infrared connection, contact the printer manufacturer for information or updates that may be required for proper installation.
- Check the printer manufacturer's Web site for the latest drivers for your operating system before proceeding with installation. Some printers do not function properly without the updated drivers for specific operating systems.
- To install your printer, follow these steps:

  1. Click **Start** in the Windows taskbar, then click **Control Panel**.
  2. Click **Printers and Other Hardware**, then click **Add a Printer**.

     The **Add Printer Wizard** appears.
  3. From the **Add Printer Wizard**, click **Next**.
  4. Select **Local Printer**, then click **Next**.

     Place a check mark in the box, **Automatically detect and install my Plug and Play printer**, if you are installing a recently manufactured printer equipped with Plug and Play capability.
  5. Select the appropriate port, usually LPT1 if using the parallel port, and then click **Next**.
  6. Select the appropriate printer manufacturer and model.
  7. Follow the on-screen instructions to print a test page and complete printer installation.

- If the printer is not included in the list, but the printer manufacturer provides a disk with the appropriate Windows XP Printer driver:

  1. Choose **Have Disk**.
  2. Enter the appropriate path for the disk or CD, and click **OK**.

- If the printer is not included in the list, and no drivers are provided with the printer:

  1. Select a similar printer that your printer may emulate.
  2. Refer to the user manual or guide supplied with your printer.
  3. Visit the printer manufacturer's Web site for technical support.

[1] The location of the connection ports for peripheral equipment may vary, depending upon your computer's hardware configuration.

The connected printer does not function properly when the computer resumes from a power saving mode.

- Clear the printer memory by turning the printer off for approximately 10 seconds, and then turning it back on.
- If your printer does not resume normal operations, try restarting your computer.

Notes On Use

The information in this section provides basic procedures for handling your system and common peripheral devices, and using storage media.

- About the Power Source
- About Disposing of the Lithium Battery
- About Handling the Computer System
- About Handling a Monitor (Display)
- About Recording and Data Storage Media

About the Power Source

Before opening your computer, turn the system off and let it cool down for 10 minutes. This protects you against internal components that may be too hot to handle.

- Your computer operates on 100-120 V AC 50/60 Hz only.
- Plug all the power cords for your computer and its peripheral equipment into the same AC supply line. AC derived from different supply lines may result in voltage differences that can cause unstable operation or unwanted weak currents at the time of connection.
- Do not share the AC outlet with any other power-consuming equipment, such as copying machines or shredders.
- You can purchase a power strip with a surge protector. This device prevents damage to your computer caused by sudden power surges such as those that may occur during an electrical storm.
- If you live in an area that experiences frequent power fluctuations, you may want to purchase an Uninterruptible Power Supply (UPS). This device contains both a surge protector and a battery backup. The surge protector prevents damage to your computer caused by power surges. The battery backup safeguards your data during a brief period of power loss.
- The power control button on the front panel does not turn off the system AC power. To remove power from the system, you must turn off the computer and then unplug the AC power cord from the wall outlet or power strip.
- Do not place heavy objects on the power cord.
- Do not operate the system with the cover removed. Always reinstall the cover before turning on the system.
- To disconnect the cord, pull it out by the plug. Never pull the cord itself.
- Unplug your computer from the wall outlet if you do not intend to use the computer for a long time.
- Do not attempt to open the power supply. There are no user-serviceable parts in the power supply. To avoid personal injury or damage to your equipment, refer the repair or replacement of the power supply to qualified personnel only.

About Handling the Computer System

Your computer uses high-frequency radio signals and may cause interference to radio or TV reception. If this occurs, relocate the computer a suitable distance away from the TV or radio equipment.

- Do not place your Sony computer in a location subject to:
  - Heat sources, such as radiators or air ducts
  - Direct sunlight
  - Excessive dust
  - Mechanical vibration or shock
  - Strong magnets or speakers that are not magnetically shielded
  - Ambient temperature of more than 95ºF (35ºC) or less than 50ºF (10ºC)
  - High humidity, moisture, or rain
- Do not place electronic equipment near your computer. The computer's electromagnetic field may cause a malfunction.
- Provide adequate air circulation to prevent internal heat build-up. Do not place your computer on loose surfaces (such as rugs or blankets) or near materials (such as curtains or draperies) that may block its ventilation slots. Leave a space of at least 8 inches from the back panel of your computer.
- Clean the cabinet with a soft, dry cloth or a soft cloth lightly moistened with a mild detergent solution. Do not use any type of abrasive pad, scouring powder, or solvent such as alcohol or benzine, as it may damage the finish of your Sony computer.
- Should any solid object or liquid fall into the cabinet, keyboard, or mouse, shut down your computer and then unplug it. You may want to have the computer checked by qualified personnel before operating it any further.
- Use only specified peripheral equipment and interface cables; otherwise, problems may result.
- Do not use cut or damaged connection cables.
- Always switch the power off before connecting your computer to peripheral equipment; otherwise, damage may occur to the integrated circuits in your computer.
- Your computer, keyboard, and mouse consist of high-precision electronic parts. Do not drop them or bump them against other objects.
- Your Sony computer does not work with party lines, cannot be connected to a coin-operated telephone, and may not work with multiple telephone lines or a private branch exchange (PBX).
- If the telephone company makes a service call to your home or office and determines that your computer is responsible for the problem, the telephone company may bill you for the service call. If you do not disconnect your computer when it is adversely affecting the telephone line, the telephone company has the right to disconnect your service until you correct the problem.

Moisture condensation

If your computer is brought directly from a cold location to a warm one, moisture may condense inside your computer. In this case, allow at least an hour before turning on your computer. If any problem occurs, unplug your computer, and contact your Sony Service Center.

Wireless devices

Wireless devices, such as a wireless keyboard or mouse, requires unobstructed communication with your computer for proper operation.

- Do not exceed a maximum distance of 2 feet between your VAIO® computer and your wireless device.
- Verify that any infrared receiver(s) on the computer or wireless device is free of obstructions that may prevent proper operation.

- Confirm that the supplied AA batteries are properly installed in the wireless device.
- Use the **CONNECT** buttons on the wireless device and your computer, if available, to establish communication between the equipment.
- Avoid using radio-controlled toys or equipment, CB radios, and other wireless devices in the area near your wireless keyboard. These other devices may cause interference, causing your wireless keyboard or mouse to stop working properly.
- Do not place metal furniture near your computer or wireless device, as this may create interference, causing your wireless device to stop working properly.

The hard disk drive

- Do not place the computer in a location that is subject to vibration or shock.
- Do not move the computer during operation.
- Do not subject the computer to sudden changes in temperature.
- Do not turn off the power while the computer is accessing the hard disk drive.

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About Disposing of the Lithium Battery

Dispose of the lithium battery properly. In some areas, the disposal of lithium batteries in household or business trash may be prohibited. You can return your unwanted lithium batteries to your nearest Sony Service Center or Factory Service Center. For the Sony Service Center nearest you, visit the Sony Online Support Web site at http://www.sony.com/pcsupport.

Do not handle damaged or leaking lithium batteries. The lithium battery may explode if mistreated. Do not disassemble it or dispose of it in fire.

Replace the battery with a Sony CR2032 lithium battery. Using a type of battery other than a CR2032 may present a risk of fire or explosion.

About Handling a Monitor (Display)

- DVD playback and certain video-related software may not function correctly when your monitor is set to a high refresh rate. If your monitor does not play back video content properly, try setting the display to a lower refresh rate.
- Do not place the display near a strong magnetic force.
- Do not block the ventilation slots on the display.
- Using the computer in low temperature conditions may produce a residual image on the screen. This is not a malfunction. When the computer returns to normal temperature, the screen returns to normal.
- A residual image may appear on the screen if the same image is displayed for a lengthy period of time. The image disappears after a period of time. You can use a screen saver to prevent residual images.
- The screen becomes warm during operation. This is normal and does not indicate a malfunction.

About handling an LCD monitor[1] (display)

- Do not place the display near a strong magnetic force.
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- The screen becomes warm during operation. This is normal and does not indicate a malfunction.
- Do not leave the LCD in direct sunlight, as this may damage the screen. Use caution when using the computer near a window.
- Do not exert pressure on the LCD or scratch the surface, as this may cause the screen to malfunction.
- The LCD screen is manufactured using high-precision technology. On occasion, you may see tiny black or colored points on the LCD. This is normal and does not indicate a malfunction.
- Avoid rubbing the screen, as this can damage the LCD. Use a soft, dry cloth to clean the display.

[1] The PCV-W and PCV-V series models have a built-in LCD monitor.

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About Recording and Data Storage Media

Handling CD or DVD media

- Do not touch the surface of the disc.
- Do not drop or bend the disc.
- Do not use adhesive labels to identify the disc. The label may come off while the disc is in use in the optical drive and damage the drive.

Cleaning CD or DVD media

- Fingerprints and dust on the surface of a disc may cause read errors. Proper care of the disc is essential to maintain its integrity. Do not use solvents such as benzine, thinner, commercially available cleaners or anti-static spray, as they may cause damage to the disc.
- For normal cleaning, hold the disc by its edge and use a soft cloth to wipe the surface from the center out.
- If the disc is badly soiled, moisten a soft cloth with water, wring it out well, and use it to wipe the surface of the disc from the center out. Wipe off any remaining moisture with a dry soft cloth.

Using Memory Stick media

- MagicGate Memory Stick and Memory Stick PRO media are the only media that support MagicGate technology. Currently, Sony® SonicStage and OpenMG software are not compatible with the new Memory Stick PRO media. Sony suggests using only the MagicGate Memory Stick media to store and transfer any data created with SonicStage and OpenMG software.
- VAIO® computers may not support all of the high-speed data transfer or access control features of the new Memory Stick PRO media. You can use the new Memory Stick PRO media as you would use a standard Memory Stick® media.
- Visit the Sony Online Support Web site at http://www.sony.com/pcsupport regularly for the latest information on the new Memory Stick PRO media.

Using media cards

Certain VAIO® computers support CompactFlash, Microdrive, MultiMediaCard (MMC), SmartMedia, and Secure Digital (SD) media cards. See your computer's specifications sheet at http://www.sony.com/pcsupport, for more information about your computer's media card slot configuration. Visit the Sony Online Support Web site regularly for the latest information on compatible memory cards.

- Always insert the correct media card into the appropriate media slot.
- Do not attempt to insert a different media card or adapter into a slot that is not designed to accept it. An incompatible media card or adapter may be difficult to remove from the slot and can damage your computer.

Handling floppy disks[1]

- Do not open the shutter manually and touch the surface of the floppy disk.
- Keep floppy disks away from magnets.
- Keep floppy disks away from direct sunlight and other heat sources.

[1] Certain VAIO computers are not equipped with a floppy disk drive. You can purchase a floppy disk drive separately. See the online specifications sheet for more information about your computer's hardware configuration.

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- Keep floppy disks away from direct sunlight and other heat sources.

[1] Certain VAIO computers are not equipped with a floppy disk drive. You can purchase a floppy disk drive separately. See the online specifications sheet for more information about your computer's hardware configuration.

About Recording and Data Storage Media

Handling CD or DVD media

- Do not touch the surface of the disc.
- Do not drop or bend the disc.
- Do not use adhesive labels to identify the disc. The label may come off while the disc is in use in the optical drive and damage the drive.

Cleaning CD or DVD media

- Fingerprints and dust on the surface of a disc may cause read errors. Proper care of the disc is essential to maintain its integrity. Do not use solvents such as benzine, thinner, commercially available cleaners or anti-static spray, as they may cause damage to the disc.
- For normal cleaning, hold the disc by its edge and use a soft cloth to wipe the surface from the center out.
- If the disc is badly soiled, moisten a soft cloth with water, wring it out well, and use it to wipe the surface of the disc from the center out. Wipe off any remaining moisture with a dry soft cloth.

Using Memory Stick media

- MagicGate Memory Stick and Memory Stick PRO media are the only media that support MagicGate technology. Currently, Sony® SonicStage and OpenMG software are not compatible with the new Memory Stick PRO media. Sony suggests using only the MagicGate Memory Stick media to store and transfer any data created with SonicStage and OpenMG software.
- VAIO® computers may not support all of the high-speed data transfer or access control features of the new Memory Stick PRO media. You can use the new Memory Stick PRO media as you would use a standard Memory Stick® media.
- Visit the Sony Online Support Web site at http://www.sony.com/pcsupport regularly for the latest information on the new Memory Stick PRO media.

Using media cards

Certain VAIO® computers support CompactFlash, Microdrive, MultiMediaCard (MMC), SmartMedia, and Secure Digital (SD) media cards. See your computer's specifications sheet at http://www.sony.com/pcsupport, for more information about your computer's media card slot configuration. Visit the Sony Online Support Web site regularly for the latest information on compatible memory cards.

- Always insert the correct media card into the appropriate media slot.
- Do not attempt to insert a different media card or adapter into a slot that is not designed to accept it. An incompatible media card or adapter may be difficult to remove from the slot and can damage your computer.

Handling floppy disks[1]

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Support Options

Sony provides several options to help solve common problems or to locate support for your VAIO® computer. This section describes all available resources and offers suggestions on how to access this information for maximum results.

- Immediate Help and Support
- Software Help and Support
- Resources for Additional Help and Support

Immediate Help and Support

You can locate helpful information immediately by consulting your hard copy guides and supplements, or by accessing the online Computer User Guide and the individual software Help files.

Your computer is supplied with these support options:

- **VAIO® Computer Quick Start —** The Quick Start contains information on how to set up your computer quickly and easily. You can find instructions on how to connect power cords, cables, peripheral devices, and register your computer with Sony®. The Quick Start can also provide basic troubleshooting support.

- **VAIO® Computer User Guide —** The online User Guide provides information about configuring, maintaining, and upgrading your computer. This support resource offers a variety of available topics, enabling you to quickly view specific information using context-sensitive search features. To access the online guide:

  1. Click **Start** in the Windows® taskbar, then click **Help and Support**.

  2. From the **VAIO Help And Support Center** menu, click **VAIO User Guide**.

- **Specifications —** The online specifications sheet describes the hardware and software configuration of your VAIO computer. To view this online information go to http://www.sony.com/pcsupport.

- **Preinstalled software Help files —** Each preinstalled software program provides online Help within the software, that describes the software's features. In these Help files, you can find tutorials that teach you to use the software and locate troubleshooting support, should problems occur. To access software Help files:

  1. Click **Start** in the Windows taskbar and point to **All Programs**. A submenu appears, listing all preinstalled software programs.

  2. Click the desired software program[1]. The software's main window appears.

  3. From the menu bar, click **Help**. The software program's **Help** appears.

- **VAIO Software** — Provides specific information on preinstalled software on your computer.

  To access this online software information

  1. Click **Start** in the Windows taskbar.

  2. Click **Welcome to VAIO life**.

[1] You can locate the online Help for Sony® software programs by pointing to the individual software program's icon and selecting Help from the submenu.

Software Help and Support

Support information for the preinstalled software on your system is located in this section. Sony software support is free of charge for 90 days after the original date of purchase.

Your computer may not be supplied with all of the software discussed in this section, depending on the computer purchased. To view information about the specific software preinstalled on your computer, see the software program's online Help.

Adobe® Photoshop® Elements, Photoshop® Album, Reader®
Adobe Systems, Inc.

Web site http://www.adobe.com

telephone 800-685-3652

hours M - F, 6 AM - 5 PM PST

America Online® (Broadband or Dial-Up)
America Online, Inc.

Web site http://www.aol.com

Click to DVD
Sony Electronics Inc.

At the touch of a button, Click to DVD software allows you to automatically burn DVDs from a digital video device. Create DVDs by capturing video content straight from a digital video (DV) device or by importing video from stored files — and you can also edit the video if desired. Create DVD photo albums and slide shows with picture files or by importing pictures from a digital still camera. What's more, you can easily give a professional look to your DVDs by adding chapter menus, backgrounds, and menu screens. You're only a few clicks away from your own DVDs!

Web site http://www.sony.com/pcsupport

telephone 888-4-SONY-PC (888-476-6972)

hours 7 days a week, 24 hours a day

CLIÉ Converter
Sony Electronics Inc.

CLIÉ Converter software is a plug-in software program that converts Giga Pocket® Video Capsules into Movie Player format for playback on your Sony® CLIÉ handheld. After converting your Video Capsules, you can use CLIÉ Converter software to transfer them to Memory Stick® media or to save them to your hard disk drive for transfer to your CLIÉ handheld during your next HotSync® operation.

Web site http://www.sony.com/pcsupport

telephone 888-4-SONY-PC (888-476-6972)

hours 7 days a week, 24 hours a day

Drag'n Drop CD+DVD
Sonic Solutions

Drag'n Drop CD+DVD software is designed to make CD and DVD creation simple. You can create you own audio or data CDs and data DVDs. These discs can be read in most audio CD players or personal computers. With Drag'n Drop CD+DVD software, you can also back up CDs.

Web site http://support.sonic.com

DVgate Plus
Sony Electronics Inc.

Connect a compatible digital video camera to your computer's i.LINK® port and capture video clips and still images. Edit clips from your video, add new clips, and combine clips into new movie segments. Save your movies back to your digital video camera or in a variety of popular file formats.

Web site http://www.sony.com/pcsupport

telephone 888-4-SONY-PC (888-476-6972)

hours 7 days a week, 24 hours a day

Giga Pocket® Personal Video Recorder
Sony Electronics Inc.

Giga Pocket® Personal Video Recorder is a unique set of hardware and software components that provide you with excellent TV viewing, recording, and playback experiences. You can watch and record your favorite TV programs from your computer and play your Video Capsules on compatible computers. Giga Pocket® Personal Video Recorder enables your computer, TV, VCR, and other video player devices to work in harmony.

Web site http://www.sony.com/pcsupport

telephone 888-4-SONY-PC (888-476-6972)

hours 7 days a week, 24 hours a day

Microsoft® Internet Explorer
Microsoft Corp.

Internet Explorer offers dramatic performance, reliability, and usability improvements making it the fastest, easiest and most cost-effective Web browser for people to use, manage and support. Whether you use the Web to read e-mail, news or sports reports, shop online, listen to music or play videos, or share your images and photos with friends family or work colleagues, IE 6 makes it easy, exciting and fun.

Web site http://www.support.microsoft.com

Microsoft® Windows® Movie Maker 2
Microsoft Corp.

Windows Movie Maker 2 makes home movies amazingly fun. With Movie Maker 2 you can create, edit and share your home movies right on your PC. Build your movie with a few simple drag-and-drops. Delete bad shots and include only the best scenes. Add special effects, music and narration. Then share your movie via the Web, e-mail, on your PC, CD, or even DVD. You can also save your edited movie back to the DV tape in your camera to play on a TV or even on the camera itself.

Web site http://www.support.microsoft.com

Microsoft® Windows Media® Player
Microsoft Corp.

Using one of the premiere video and music playback software programs, you can better enjoy listening and watching many different kinds of media. Other great features include, instant-on playback, Mini-player mode, Intelligent Streaming technology, 5.1-channel surround sound audio codec, and built-in Smart Jukebox features.

Web site http://www.support.microsoft.com

Microsoft® Works
Microsoft Corp.

Works lets you quickly and easily create high-quality, fun documents. Works provides the core tools you need to create

documents, manage lists and schedules, create reports and budgets and organize information from many sources. Works includes Word Processor, Works Database, Works Spreadsheet, Works Portfolio, and Works Calendar.

Web site http://www.support.microsoft.com

MoodLogic
MoodLogic, Inc.

MoodLogic is the world's largest descriptive database of song information. The information is provided from music lovers like you. MoodLogic allows you to browse the songs by artist and genre, narrow your selections by tempo or year, save your favorite music play list and transfer it to a portable player.

Web site http://www.moodlogic.com/support

e-mail help@moodlogic.com

Norton Internet Security
Symantec Corp.

Symantec's Norton Internet Security software provides essential protection from viruses, hackers, and privacy threats. This easy-to-use, integrated suite includes full versions of Norton AntiVirus® and Norton Personal Firewall software to defend your PC against the most common Internet dangers. Norton Internet Security also includes Norton Spam Alert, which helps you detect and filter unwanted e-mail. Norton Parental Control keeps your children safe by letting you block objectionable Web sites and set up separate Internet access privileges for each member of your household. Automatic downloads keep Norton Internet Security software updated against new security threats. This is a trial version of the Norton Internet Security software.

Web site http://www.symantec.com/techsupp

PictureGear Studio
Sony Electronics Inc.

PictureGear Studio still image management software displays still images from your hard drive or a Sony digital still camera. The still images appear in a convenient light-table format so that you can easily view the contents of an entire folder, create your own photo albums and make prints.

Web site http://www.sony.com/pcsupport

telephone 888-4-SONY-PC (888-476-6972)

hours 7 days a week, 24 hours a day

Quicken® New User Edition
Intuit Inc.

Quicken software is a fast, easy way to organize your finances. Quicken software works just like your checkbook, so it's easy to learn and use. You can even pay your bills online. Quicken software manages all of your finances, bank accounts, credit cards, investments, and loans. (Users of earlier versions of Quicken software must upgrade for a fee.) Upgrade possible to Quicken® Deluxe, and other versions.

Web site http://www.intuit.com/support

telephone 900-555-4932; 800-644-3193[1]

[1] Intuit Inc. Software: Support from 900-555-4932 is fee-based. Support from 800-644-3193 is automated and free of charge.

SonicStage
Sony Electronics Inc.

The SonicStage software program gives you all the tools you need to manage music on your computer. SonicStage software sports high-quality digital audio storage, a music visualizer, a sleek player skin design, audio CD burning capability (on computer models that include a CD recording device), and a parametric equalizer for fine-tuning audio playback.

Web site http://www.sony.com/pcsupport

telephone 888-4-SONY-PC (888-476-6972)

hours 7 days a week, 24 hours a day

SonicStage Mastering Studio
Sony Electronics Inc.

Use SonicStage Mastering Studio software to record songs from analog records or cassette tapes into your computer, and output them to CD-R or CD-RW discs, or audio files in WAV format.

Web site http://www.sony.com/pcsupport

telephone 888-4-SONY-PC (888-476-6972)

hours 7 days a week, 24 hours a day

Sony® VAIO® Product Registration
Sony Electronics Inc.

VAIO Product Registration is an integrated registration software program for both Sony Electronics Inc. and Microsoft Corporation. By registering with Sony, you enable Sony to notify you of software and hardware issues that may affect your user experience. Microsoft directs the data to Sony Electronics Inc. Sony uses the registration data for warranty and product support purposes and the analysis of customer feedback on Sony computer features.

Web site http://www.sony.com/pcsupport

telephone 888-4-SONY-PC (888-476-6972)

hours 7 days a week, 24 hours a day

VAIO Action Setup
Sony Electronics Inc.

VAIO Action Setup manages the settings for your computer's shortcut keys.

Web site http://www.sony.com/pcsupport

telephone 888-4-SONY-PC (888-476-6972)

hours 7 days a week, 24 hours a day

VAIO Media
Sony Electronics Inc.

VAIO Media software brings multimedia to your network, enabling you to share music, video, and still image files between your VAIO® computers. You can set up one or more computers as "media servers," which store your multimedia files and make them available to other VAIO computers on your wired or wireless network.

Web site http://www.sony.com/pcsupport

telephone 888-4-SONY-PC (888-476-6972)

hours 7 days a week, 24 hours a day

VAIO Music Services

Sony Electronics Inc.

Download music from the web, create your own albums, or have CDs sent straight to your house with VAIO Music Services. The ultimate place on the Web for music lovers to find out information about their favorite artist and get all of the latest music news.

Web site	http://www.sony.com/pcsupport
telephone	888-4-SONY-PC (888-476-6972)
hours	7 days a week, 24 hours a day

VAIO Update
Sony Electronics Inc.

The VAIO Update utility helps keep your VAIO® computer updated by checking the Sony Online Support Web site for important software updates and information for your specific computer model.

Web site	http://www.sony.com/pcsupport
telephone	888-4-SONY-PC (888-476-6972)
hours	7 days a week, 24 hours a day

WinDVD® for VAIO®
InterVideo, Inc.

WinDVD software serves as a simple-to-use DVD player that offers all the features you would expect to find in a standard consumer DVD player, including advanced display and navigation features such as zoom, pan, bookmark, and time search.

Web site	http://www.intervideo.com/jsp/Support.jsp
telephone	510-651-0888

Resources for Additional Help and Support

If the information provided with your VAIO® computer does not offer an immediate solution, or you would like to get direct support, try these additional help and support resources.

Sony Online Support Web site

Online help and support are available 24 hours a day, seven days a week, when you visit the Sony Online Support Web site. You can access the Web site at http://www.sony.com/pcsupport.

The Sony Online Support Web site provides:

- Information about your specific computer model, such as
  - hardware and software specifications.
  - upgrade and maintenance procedures[1].
  - safety and legal information.
  - quick solutions to common problems.
- An automated tutorial library that contains interactive, easy-to-understand lessons on using your computer's hardware and software features.
- Links that enable you to:
  - quickly find the nearest Sony service center locations.
  - arrange for repairs or check repair status.
  - review warranty information.
  - e-mail your question or comments to the Sony Customer Information Services Center.
  - check pricing and availability for products, accessories and parts, as well as purchase online.
  - access the Sony Solutions Knowledge Base, a database that contains answers to many frequently asked questions.

Sony Customer Information Services Center

If other support options do not resolve your issue, you can contact a Sony Support representative directly.

Before making a call to the Sony Customer Information Services Center, have this basic information readily available.

1. VAIO® computer system type.
2. Model number.
3. Serial number[2].

   Example:

4. Operating system.
5. Hardware feature or software program that has a problem. (See the online *VAIO® Computer User Guide* for the appropriate software technical support information.)
6. Brief description of the issue.

For VAIO® computers purchased in the U.S. and Canada, contact a Sony Support representative at 1-888-476-6972.

[1] Upgrade and maintenance information may not be available for all computer models.

[2] The serial number is located on the back panel of your computer. The serial number is on a white barcode label.

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